

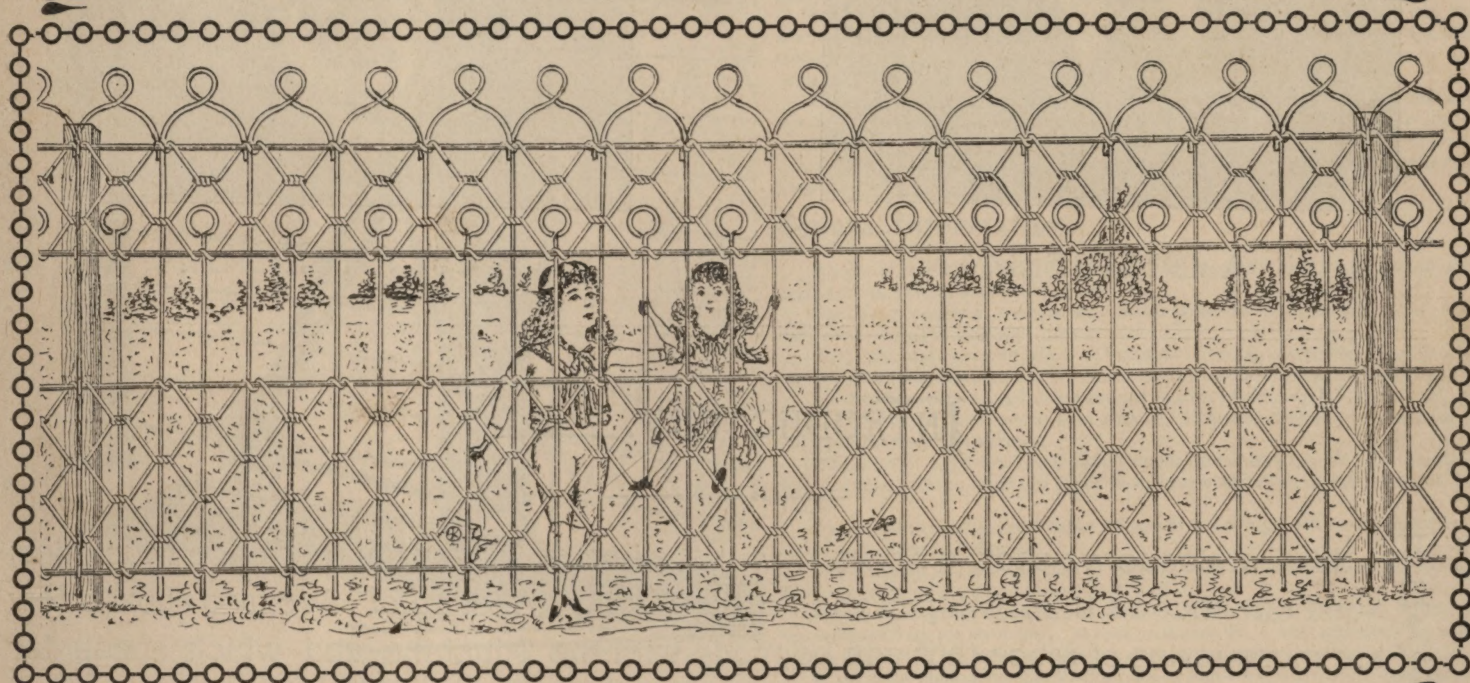
1894.

Illustrated Catalogue.

“THE STAR” ~



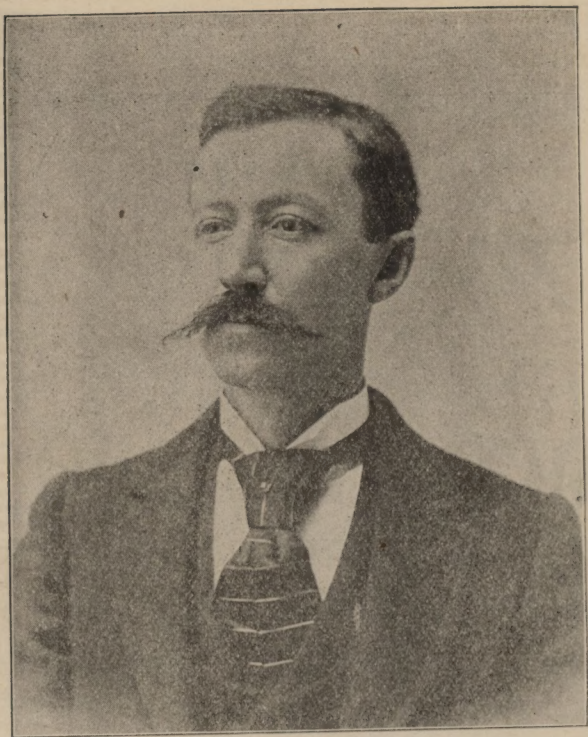
Woven Wire Fence Machine



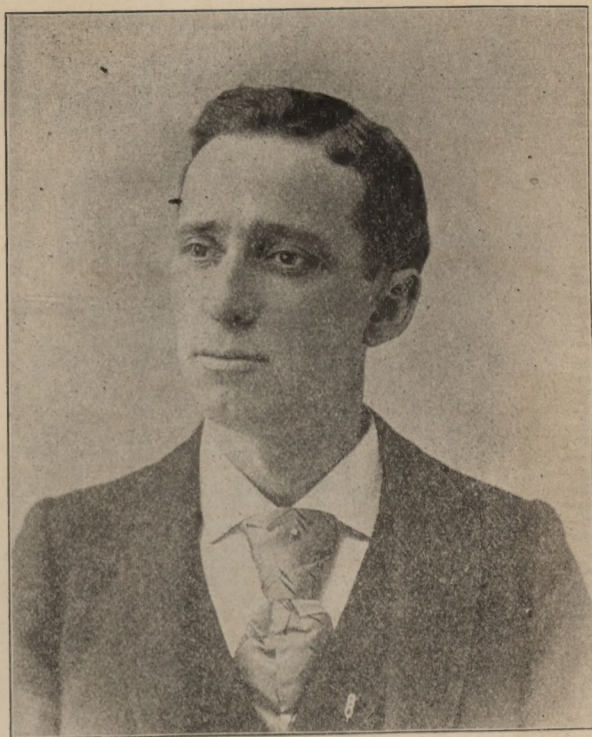
KITSELMAN - BROTHERS,

Patentees & Manufacturers

RIDGEVILLE, INDIANA, U. S. A.



A. L. KITSEIMAN.



D. M. KITSEIMAN.

INTRODUCTORY. —

IN this Catalogue we show a new article in the line of Woven Wire Fence Machines, and one that we think will pay you to thoroughly investigate. We also show a few of the many styles of fence that can be made with the Machine and which speak for themselves on the following pages. There is such a variety of styles that we think the most exacting can be suited both in quality and price. A man can be his own fence manufacturer and can make a light farm fence or one as strong as may be desired.

Not only this, but he can make many styles of Ornamental Fence that will not only be an ornament to any farm house, but that would be a credit to any of the fine city or suburban residences.

Think of it! All of the styles shown in this Catalogue, and many more can be made with the one Machine, and this too without any change whatever in the Machine. It is certainly a little wonder.

Hoping to be favored with the patronage that we know our Machine and Fence deserves, we are,

Yours Truly,

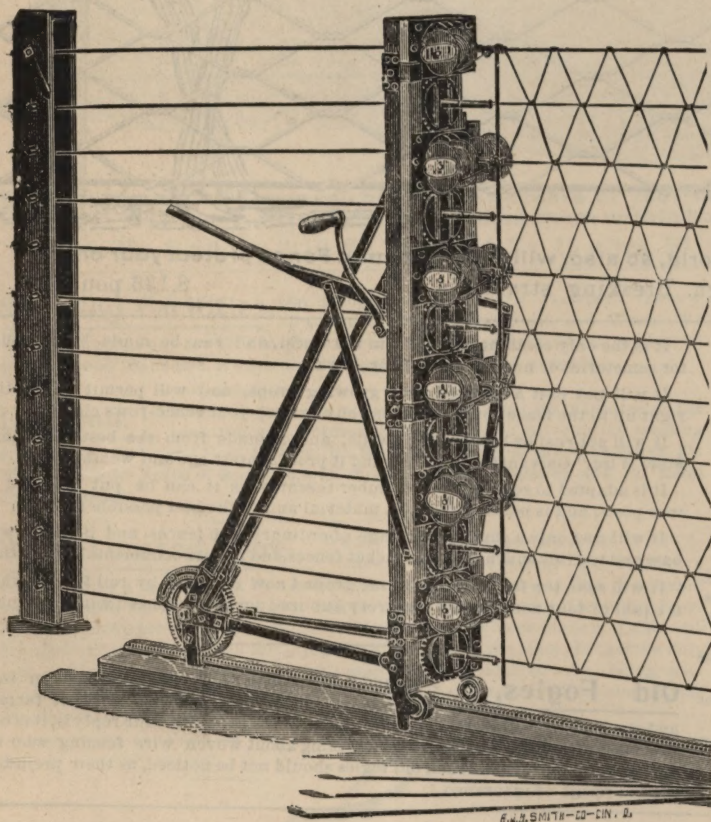
KITSEIMAN BROTHERS.

THE STAR...

WOVEN WIRE



FENCE MACHINE



Pat. Sept. 26, '93. Canada, Feb. 17, '94.

Greatest Invention of the Age!

We here show the Star Woven Wire Fence Machine, which is, as you will see something new in that line, being a machine that you can take right into the field or any place and make a woven wire fence. Not only one but any or all of the many styles shown in this Catalogue. It is not a complicated machine, but on the other hand is so simple that any one can operate it. A man to work the machine and a boy to spool the wire can make from 40 to 60 rods per day. All parts are interchangeable. It is light, strong, durable, easily handled and is a machine that will pay every farmer to have, for the reason that it will save enough in a very short time to more than pay for it.

Heretofore Woven Wire Fencing has been a luxury, the price being so high that only the wealthy could afford to by it. This machine brings it within the reach of all—so low, indeed, that it will not pay to waste money on any other kind of a fence. The fence can be made light for yard or lawn, or if desired for a farm, can be made strong enough to stand a breaking strain of 40,000 pounds. It takes up but little room, and is fire and wind proof. **It is the Coming Fence.**

Terms. Cash with the order or 30 per cent. of amount of bill with the order and the balance sight draft through your nearest bank for collection, when goods are shipped, the goods being shipped to ourselves.

Guarantee. We guarantee both Machine and Fence to be as represented and if not found so on arrival we will take it back and refund every cent paid for it as stated above.

Remittances. Make all remittances by New York Draft, Express or Post Office Money Order. Do not send individual check.

Prompt Attention. We acknowledge all orders by postal as soon as received. If you do not receive our acknowledgment promptly notify us.

Name and Address. Be sure and sign your name to every letter or order, and give name of place, county and state. We quite often receive letters that we cannot answer for want of this.

Make Orders Brief. Do not make out an order in the middle of a long letter. Orders and letters are attended to by different clerks in our office. Make your order out by itself and if you want to write anything do so on a separate sheet.

Credit and Standing. The shipping of goods in this way and sending bill through your nearest bank for collection is no reflection on your credit or standing. Most all of our customers are perfectly good but at the same time we have no way of knowing it nor can we take the time to make inquiry to find out. Shipping in this way we do not have a lot of books to keep in order to keep track of the business.

The shipping of machines in this way is an advantage to you for you can see it at your depot before paying draft and if not satisfied with it you need not take it and when returned to us we will refund the amount sent us in advance less actual expense of freight charges both ways.

You might ask why we do not give the privilege of taking machine out and trying it. We would have no objections to this only for the fact that to use it would necessarily require it to be oiled up and would get scratched and more or less dirty and look like a second-hand machine, if for any reason you failed to keep it.

General Information.

Weight of Machine about 125 pounds; of Machine and outfit, boxed and crated for shipment, about 300 pounds.

One filling of one set of spools will make about twelve rods of fence. Will vary some, owing to length of mesh.

With each Machine we furnish an extra set of spools, one spooler, one stretcher, one wire reel, two pieces of track and one pair of wire cutters and pliers.

Our Machine can be used on almost any kind of ground, up hill, down hill, on the side of a hill or over very uneven ground. It makes the fence to conform to the undulations of the surface.

DURABILITY.—We are often asked about the durability of our Machine. There is very little to wear out about them, and with proper usage will last for years.

Our standard machine will make a fence 50 inches high, but we can make them for a 54½ inch fence if desired.

In putting up this fence be sure to set the corner and gate posts solid. It will then be kept to its place and always look well.

In a straight string of fence the straight wires can be stretched up almost any distance with the stretcher. In long distances it is not necessary to have them tight, as the weight of the wires will keep it tight at machine.

In the fence made with this Machine the straight wires are 4½ inches apart, and in weaving the mesh wires on them the mesh can be made long or short, and the diamond to run horizontal or perpendicular, as may be desired.

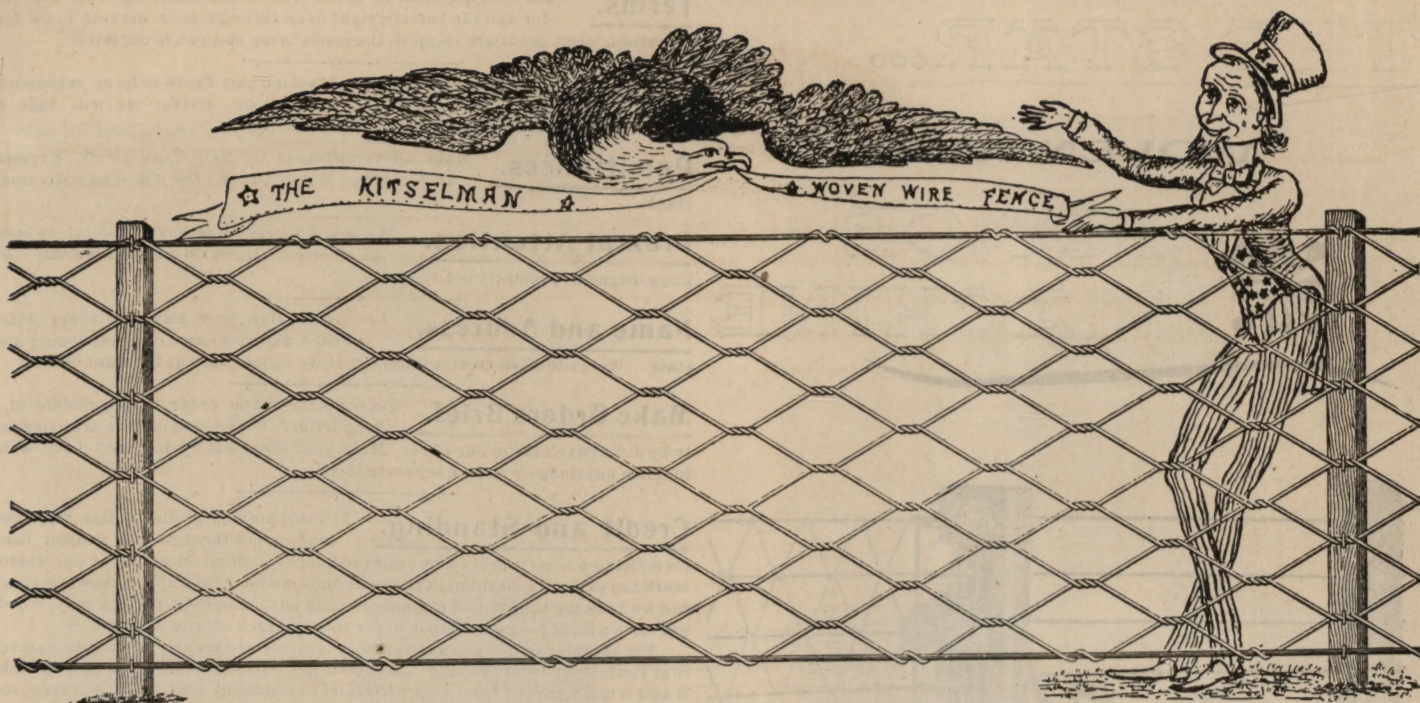
We are often asked by letter, questions regarding our Machine and fence, that are fully answered in our Catalogue. In such cases we mail copy of same marking the parts containing the information sought, which we consider a respectful answer.

We want all our customers to feel at liberty to ask for any desired information in regard to Machine, the fence or the business. Should we not answer you to your full satisfaction the first time, keep on asking until we do, for, on account of our business having gone far beyond our most sanguine expectations, we are crowded with such work, and liable to overlook something of interest to you.

WEIGHT OF WIRE PER ROD.—A single strand of No. 9 wire one rod long, weighs about one pound; of No. 13 wire, six ounces, and of No. 15 wire, counting it as it runs through the fence in a zigzag form, from four to five ounces. From this you can estimate weight and cost of wire to make any height fence, by simply counting the number of wires of each size in the fence.

Not New In the Business.

We are not new in the business of manufacturing Woven Wire Fence Machines, being manufacturers since 1883 and of Woven Wire Fence Machines since 1887. The machine we have formerly made, and are still making, makes the same fence the Star Machine does and the fence has therefore stood the test of several years and given universal satisfaction. The Star Machine is no better than the one we have been making, but is much lighter and easier handled.



As Uncle Sam protects his subjects in all parts of the world, so also, will the Kitzelman Fence protect your crops.
 Style No. 1. 2 No. 9 and 11 No. 14 wires, 50 inches high. Breaking strain, 8,136 pounds.

Advantages of the Kitzelman Fence.

It is strong, easily handled, durable and ornamental.
 It will not be injured by sleet, snow, heat, cold or floods.
 It will turn horses, cattle, sheep, hogs, dogs and poultry.
 It will protect fields as perfectly as the best of board fences.
 It will not pull the wool from sheep, thus saving many fleeces.
 It will not obstruct the view or mar the beauty of the landscape.
 It is a net-work without barbs and will not injure stock in any way.
 It will not allow wires to be pulled apart to make space to climb through.
 It will cost less to put up this fence and keep it in repair than any other.
 It can be taken down, rolled up and carried to other points without injury.
 It will make safe enclosures for the worst animals, and reliable line fences.
 It will not shelter enemies to crops and will last a lifetime with very little repair.

It is fire-proof and can not be blown down and will not injure persons or clothing.

The twists in the wires will not slip or permit breakages by expansion or contraction by heat and cold.

It is the only general purpose wire fence known and will not collect snow drifts or be injured by snow storms.

It is the strongest, cheapest and best fence ever made, considering the many different styles and the variety of its uses

It is the only combination fence in the world, and can be made high enough for cemeteries or narrow enough for lawns.

It will not cast a shadow over growing crops, and will permit cultivation right up to the fence; by this means you can keep your fence-rows clean.

It will not rust or break in the twists, and is made from the best "Bessemer Steel Wire," Galvanized, thus making it proof against age and weather.

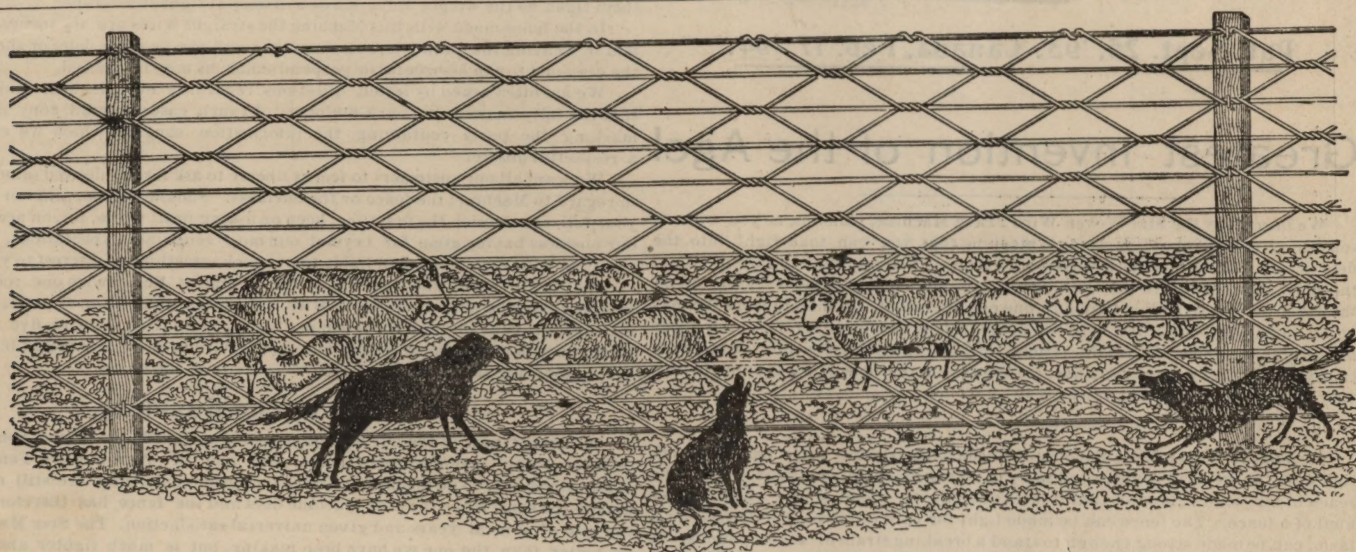
It is adapted to sections where timber is scarce, as it can be put on wood or iron posts, and is made of the best material and in the best possible manner.

It will cost only a small percentage of ordinary iron fences, and if put up with base and top rail, much less than picket fences, and is more ornamental than either.

It will save ten feet in width of the ground now occupied by rail fences, which is equal to four acres of land on every hundred acres now fenced with rail fences.

Old Fogies.

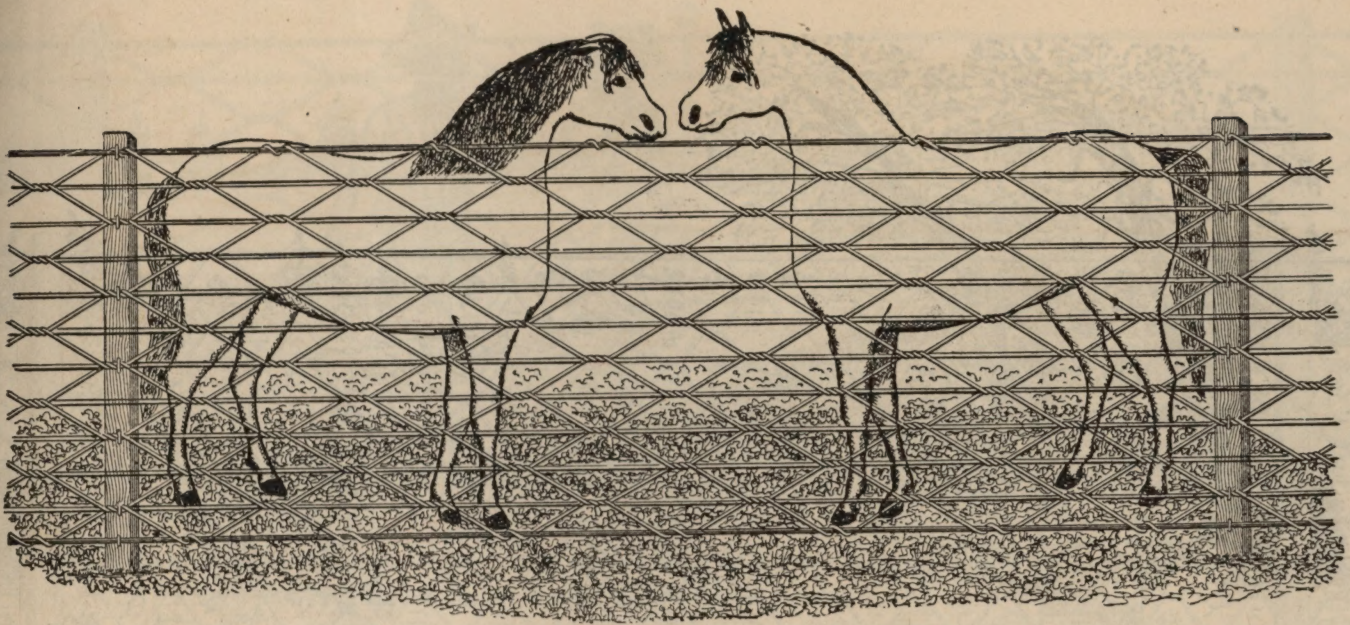
Now and then we hear from some other man in some part of the country who is also afraid that farmers and stockmen wouldn't take a notion to woven wire fences. Our reply is, it is only that class of men who do not know anything about woven wire fencing who say anything against it and such old fogies should not be noticed, as their prejudices are the result of ignorance.



The Kitzelman Fence will protect your sheep from wolves, coyotes and dogs and will not pull the wool off in case they rub against it.

Style No. 2. 2 No. 9, 10 No. 13 and 11 No. 16 wires, 50 in. high. Breaking strain,

11,704 pounds.



With the Kitzelman Fence you need have no fears of your horses getting hurt in any way. It is the horse's humane friend, and will keep them within bounds as well as any fence on earth.

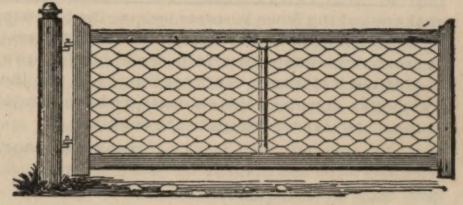
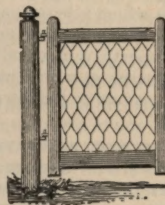
Style No. 3. 2 No. 9, 10 No. 12 and 11 No. 15 wires, 50 in. high. Breaking strain, 19,058 pounds.

Shipping Facilities. Our shipping facilities are excellent, having railroads, North, South, East and West. We deliver all goods on cars here in good order. We take special pains to ship all goods in good shape and always secure the best freight rates possible.

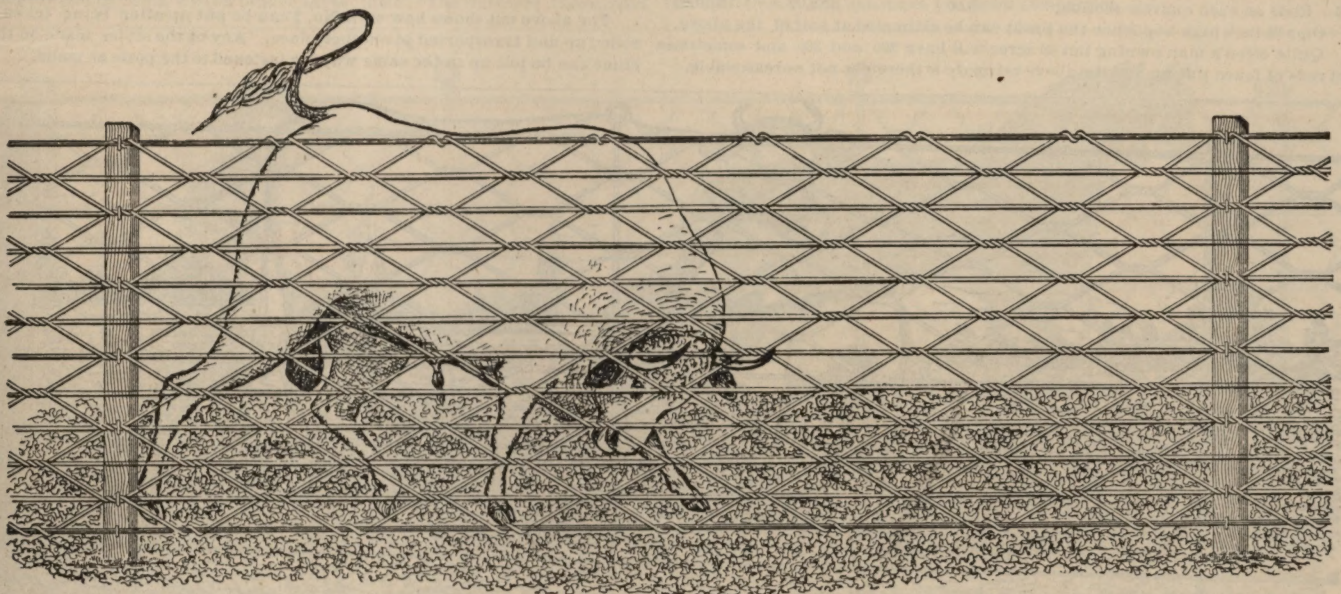
Location. Ridgeville having a population of about 1,500 is located on the beautiful and picturesque Mississinewa River at the crossing of the G. R. & I., and P. C. C. & St. L. Railways, being 60 miles south of Ft. Wayne, 33 miles North of Richmond, 117 miles West of Columbus and 197 miles East of Chicago.

Why Located Here. We are often asked how we come to be located in so small a town. We were born and raised on a farm within two miles of this place and were in the Hardware business here for about ten years before going into the manufacturing business, so that we grew up here. While Ridgeville is not a large place it is a beautiful little village, with school facilities second to none in the state. Ridgeville College, an institution of learning of the highest order, is located here, being controlled by the Congregational Church and the only institution of learning of that denomination in the State.

We are also provided with that best and cheapest of all fuels, "Natural Gas." We run and light our works with Natural Gas, are within a few hours run of the best markets of the country and as a great many of the large manufacturing concerns are leaving the cities and locating in smaller places, we consider ourselves quite fortunate to be located in a place having the advantages with which we are favored.



The above cuts show how easily gates with wood frames can be made from many of the different styles of fencing made with our machine.



Horse high, bull strong and pig tight, is what we say and what we mean even with style No. 3, but with this style you need have no fears of the most vicious animal getting over or going through it.

Style No. 4. 12 No. 9 and 11 No. 15 wires, 50 inches high. Breaking strain, 22,658 pounds.



Water, flood, etc., when not accompanied by drift-wood, have no terror for the Kitselman Fence. It will not float away and after a washout is over you never have to go to the next farm to find your fence.

Style No. 5. 2 No. 9 and 11 No. 14 wires, 50 inches high. Breaking strain 8,136 pounds.

Enormous Profits in Fence Building.

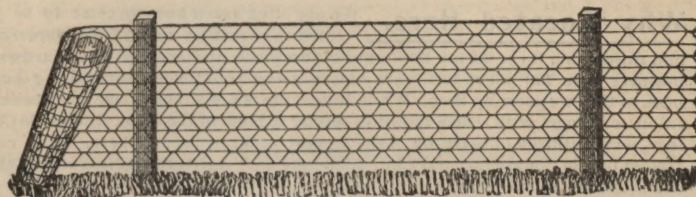
To show what it is possible to make out of the fence business we give the following estimate which is based on a 50 inch high fence and counting the profit at 40 cents per rod, which is a fair and reasonable estimate for a farm fence, but for town or city property it is usually sold at not less than 10 cents per lineal foot and the profit is therefore more than twice that given. In this estimate we have counted six miles square to the township and twelve townships to the county.

	PROFIT PER SQUARE MILE.	PROFIT PER TOWNSHIP.	PROFIT PER COUNTY.
160 Rods on each quarter section,	\$256.00	\$9216.00	\$110592.00
80 Rods on each quarter section,	128.00	4608.00	55296.00
40 Rods on each quarter section,	64.00	2304.00	27648.00
20 Rods on each quarter section,	32.00	1152.00	13824.00
10 Rods on each quarter section,	16.00	576.00	6912.00
5 Rods on each quarter section,	8.00	288.00	3556.00

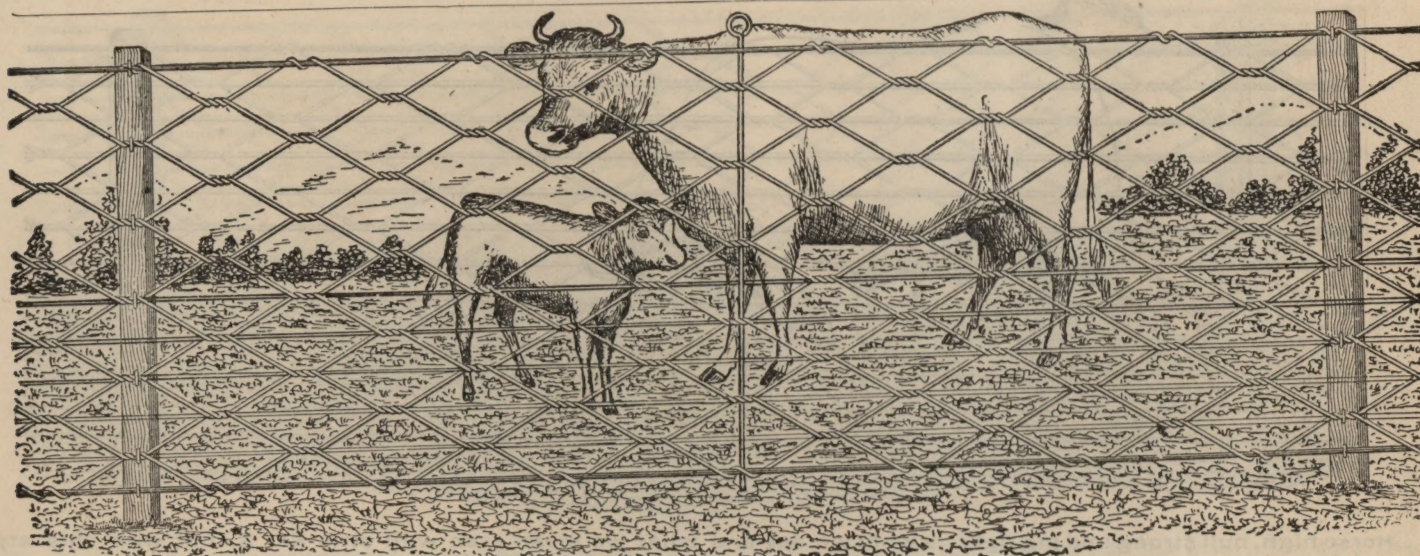
On a 25 inch high hog fence the profit can be estimated at half of the above.

Quite often a man owning but 80 acres will have 200 and 300 and sometimes 400 rods of fence put up and the above estimate is therefore not unreasonable.

Add \$10.00 per acre in appearance, if not in value, to your farm by fencing it with the **BEST FENCE ON EARTH.**



The above cut shows how style No. 2 can be put up after being taken down, rolled up and transported to another place. Any of the styles made on this Machine can be put up in the same way, or fastened to the posts as made.



No danger of your stock getting hurt in any way on the Kitselman Fence. With it your stock is safe and your crops are protected.

Style No. 6. 2 No. 9, 5 No. 12 and 11 No. 15 wires, 50 in. high. Breaking strain, 11,058 pounds.



Look out dar Sambo, we mus' keep de hoes a mov'n or de boss 'ill see us. We can't shirk 'hind dat Kitselman Fence.

Style No. 7. 8 No. 9 and 11 No. 12 wires, 50 inches high. Breaking strain.

20,280 pounds.

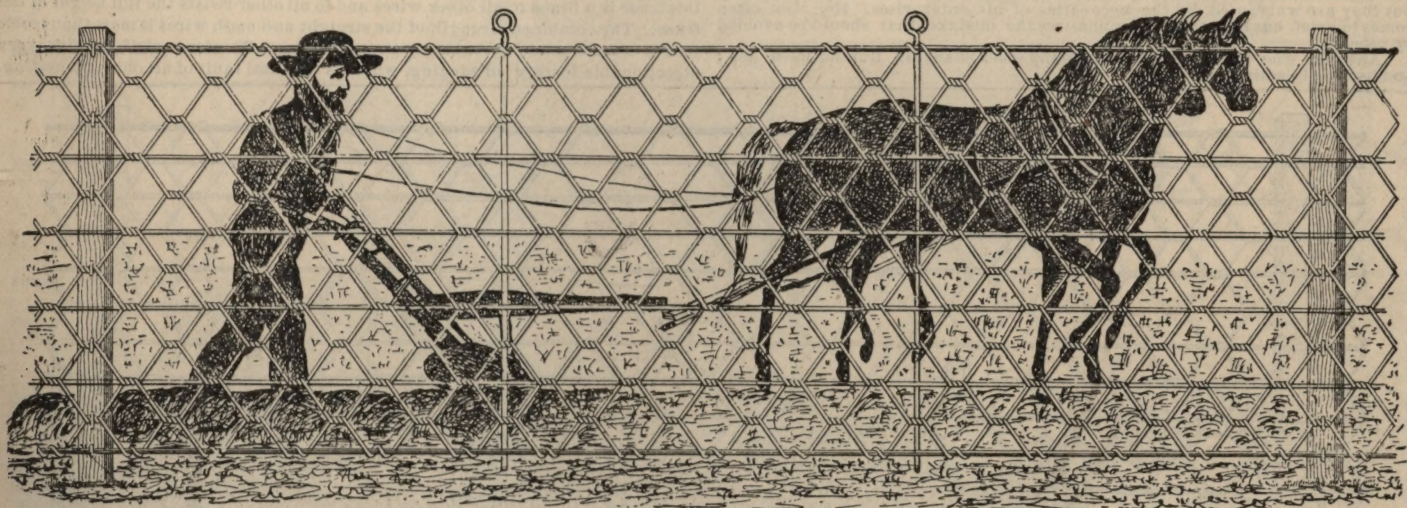
Comparing with Wire and Slat Fence Machines.

Some think that on account of the common cheap slat and wire fence machines being sold at from \$8.00 to \$25.00, that we ought to sell our Machine at a similar price. They never take into consideration the extra cost to make our Machine, and the cost of the many different articles that we furnish with it. They seem to think that on account of being a fence machine, it ought to be as low in price as any other, and never take into consideration the superior fence, or the many different styles of fence that can be made with it. In short, they don't seem to take any of these things into consideration. It is about like holding a dollar in front of some people's eyes—there might be ten dollars on the other side of it, but they could not see it. The dollar would look larger to them than anything else. It is not necessary to say such men never get much ahead. They plod along in the same old tracks, year after year and are barely making enough to keep soul and body together. These are not the kind of men we want to get hold of our Machine—in fact we do not wish to sell them to such men. We want to sell them to the wide-awake, progressive man—one who can appreciate a good thing when he sees it, and who has sense enough to take into consideration the difference in cost to manufacture different articles, and also to compare the advantages. A man of this kind don't usually stop to figure what a Machine will cost him, but he figures on what it will save him. If he sees it will save him a great deal more than it costs, he buys it. This kind of a man you always see doing well, and you can't hide from him \$10.00 behind \$1.00.

Farmers think nothing of paying \$150.00 for a self-binder, and how few there are who ever stop to think what a binder saves them. The farmers throughout

the eastern and middle states will not average over 30 acres of wheat. You can get this cut for 50 cents per acre, or say \$15.00 for cutting the crop each year, which is 10 per cent. on cost of machine. The binder is wearing out and decreasing in value all the time, which really makes it cost considerably more than above amount every year. Our Machine will save a farmer a great deal more every year than a binder, and still some will "kick" on the price, and persist in building rail or other fences just as they have been doing all their lives. Many claim it was good enough for their fathers, and that it is good enough for them. To all such we have nothing to say. If at this day and age of the world they don't know better, it is useless for us, or any one, to try to teach them better. Such men would have to study about a year in regard to it, before they could get it through their heads.

When we say that our Machine will save a man so much every year, or that they can make so much with it, we mean just what we say. We have but one price on our Machine, and complete outfit. If you don't want to pay that price for it, don't buy it. It will not be necessary to write us that the price is too high. We have had others to do this before, and until you have seen the Machine and what it will do, you are not capable of judging as to price. Not even taking the advantages of our Machine into consideration, but merely comparing cost to make with the many slat fence machines, ours is a great deal the cheapest, and when you take into consideration the fences they make there can be no comparison. If you want a cheap machine in price, and you think the slat fence good enough for you, our advice is to buy a slat fence machine. We have no objections. If the wind and changes of the climate don't bother your fence too much, it will probably stand three years. The wind and change of climate have no effect on the fence made on our Machine, and the wire being steel wire, galvanized, will last a lifetime. You can make your own comparison.



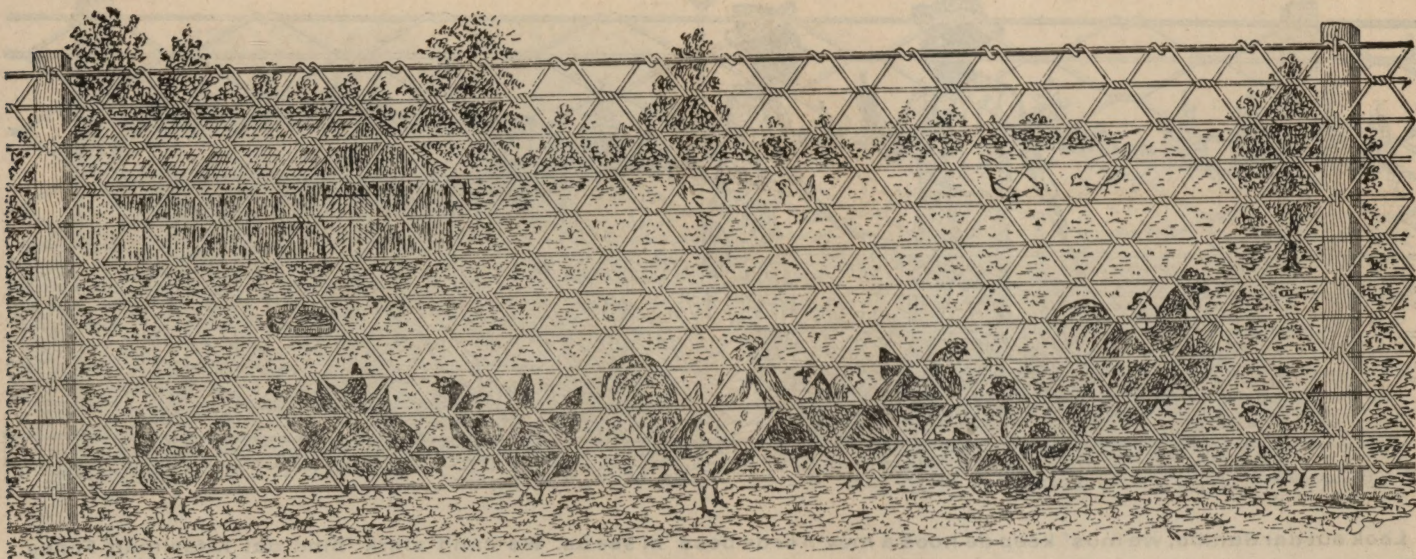
No waste ground with the Kitselman Fence. You can plow right up to it—thus saving about ten feet in width of ground over that occupied by rail fences.

Style No. 8. 2 No. 9, 4 No. 12 and 11 No. 15 wires, 50 in. high. Breaking strain,

7,058 pounds.

Style No. 9. 6 No. 9 and 11 No. 15 wires, 50 inches high. Breaking strain,

13,058 pounds.



Chicken tight. Well yes! Not only this but 50 inches is chicken high. You can inclose a park with a 50 inch high fence and you need have no fears of them getting through or over it.

Style No. 10. 2 No. 9, 10 No. 13 and 11 No. 16 wires, 50 in. high. Breaking strain, 11,704 pounds.

This Catalogue Answers Questions.

Some men write that they never saw the fence made; they never saw the machine that makes it; they don't know how it works; they want to know if we send a man to set up and start the machine. Some men even write they never heard of this kind of a fence before, and want to know if it is an experiment, and ask how long since the fence was first known, besides many other useless questions. If you think of something you want to know in regard to machine and fence look this catalogue over and see if you do not find the information wanted. If you do not, write us and we will be pleased to inform you.

Push Needed In Business.

It is an assured fact nowadays that if you intend to make money you must devote your work, your skill, your experience and what ever money you have, to something. To very few, indeed, does a fortune come by merely waiting for it. And these fortunes themselves are the results of previous years of labor.

Caution is indeed a great thing in investment, but, as in everything else, there can be too much of it. The man who is too cautious in his business policy runs a greater risk of being ruined by missing golden opportunities than one who is seemingly reckless in his undertakings. Conservatism of the genuine sort should be the characteristic of every legitimate business man; aggressiveness, however, in any line of commerce enlarges to a thousand-fold the possibilities of success, while at the same time permitting of the employment of conservative methods.

Gamblers in trade or in any other sphere of activity generally come to grief. The genuine business man is a speculator; he is no gambler. He takes risks but they are warranted by the necessities of his enterprises. He, also, often comes to grief, but his ruin only emphasizes the mistakes that should be avoided by others.

Any man who wishes to invest has many good chances. But he must act; and by rightly acting he will win.

Do You Want to Make Money?

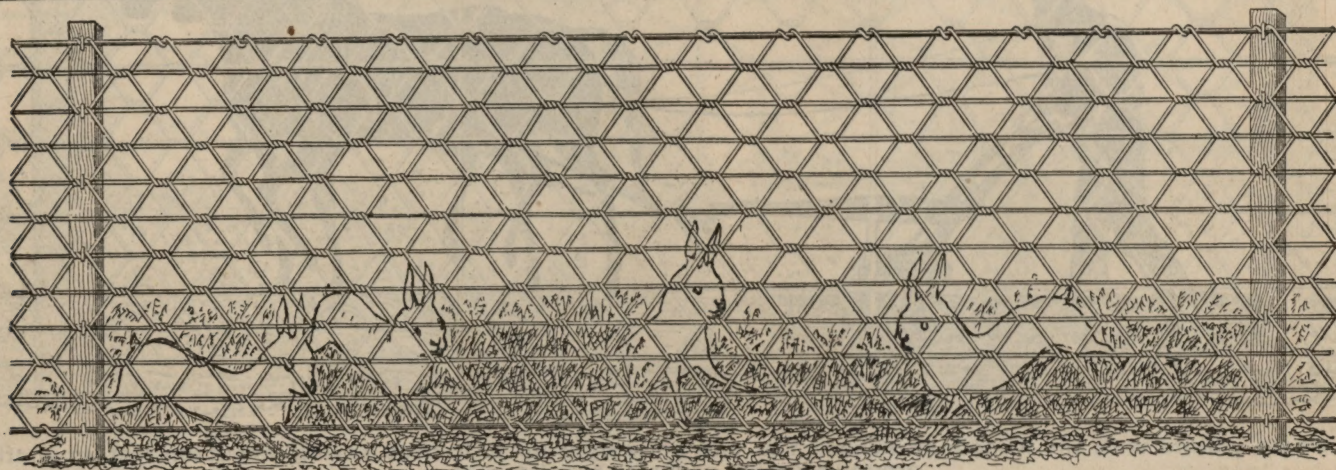
If so, with one of our Machines you can get more fencing to do right in your neighborhood than you will be able to do with one machine. There is no fence on earth that takes like this one. We know of parties having as much as two and three miles of it built. You will, therefore, see that when such orders are likely to be secured, a Machine is bound to be a paying investment—in fact, there are very few enterprises in which you can invest many times the amount and make as much out of.

Figures Won't Lie.

Farmer, did you ever figure to see what the fences on your farm are worth or have cost you? There are very few farms, in a well settled part of the country that the fences have not cost more than all of the live stock on them is worth. Many 80-acre farms have over 1,000 rods of fence on them. To be low enough however, we will say they will average 600 rods. There being 8 eighths to every square mile, we have 4,000 rods of fence to every square mile. This makes to every six miles square, the average size of a township, the enormous amount of 144,000 rods. The counties will average twelve townships; this makes the still more astonishing amount of 1,728,000 rods of fence to every county, or over \$2,000,000 worth.

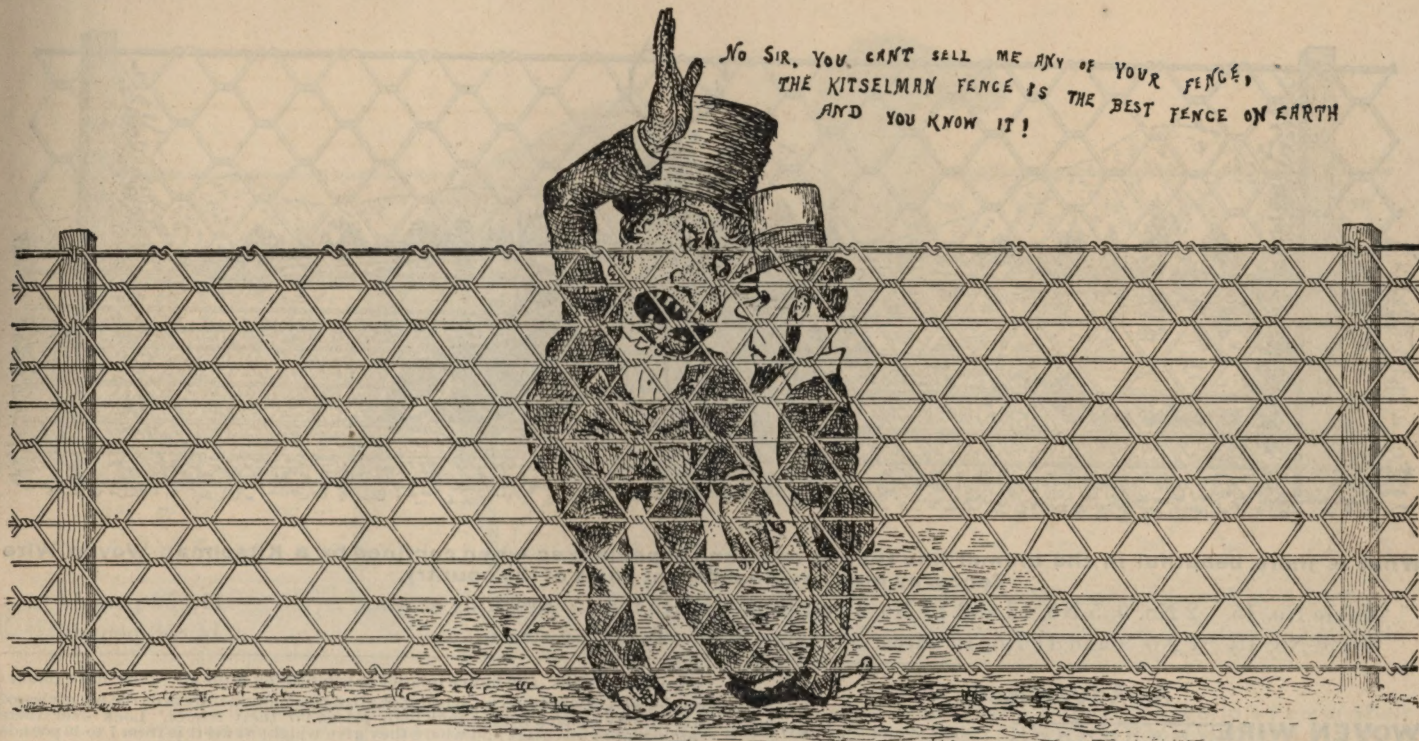
Something New.

The Kitzelman Fence is altogether different from the old styles of woven wire fencing, in having, as it has, a straight wire running lengthwise through every mesh or diamond; the mesh wires being twisted around each other as well as around the straight or parallel wires, forming the strongest woven wire net-work ever produced—in fact, it is so far ahead of any other netting for beauty, strength, durability and general utility, that a fair comparison can not be made. Every wire and every twist in this fence is a brace to all other wires and to all other twists the full height of the fence. The combined strength of the straight and mesh wires is more than treble that of a fence made without any straight wires. This fence obviates that very objectionable feature of sagging, which is the fatal fault of all old style netting.



Rabbit tight. You would think so if you could see them trying to get through it. Over 50 miles of this Rabbit proof fence in one county, in California.

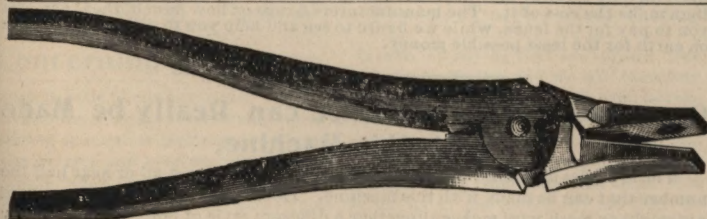
Style No. 11. 2 No. 9, 10 No. 12 and 11 No. 15 wires. 50 inches high. Breaking strain, 15,058 pounds.



Agents for other fences can fool some of the people all of the time, all the people some of the time, but they can't fool all the people all the time.

Style No. 12. 12 No. 9 and 11 No. 15 wires, 50 inches high. Breaking strain

22,658 pounds.



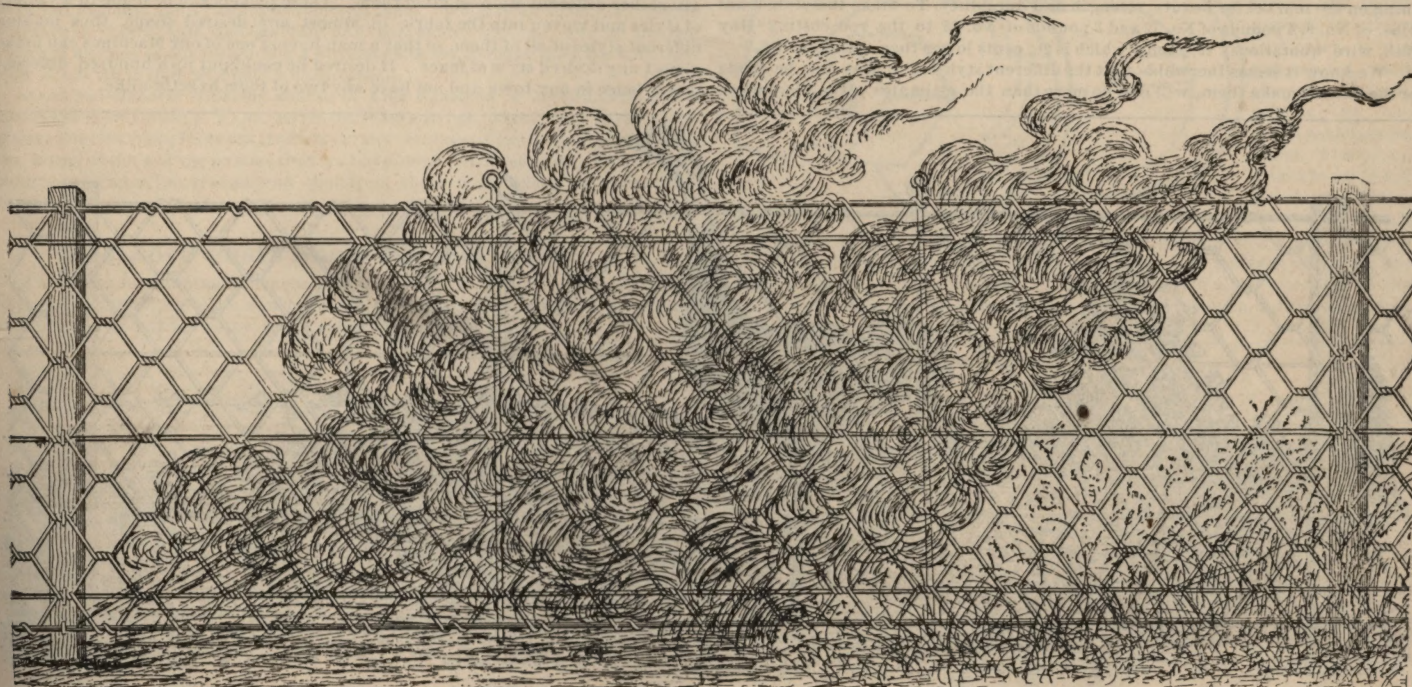
Cronk's Cutters and Pliers.

The best and handiest of them all. 8 in. 70c. per pair, by mail 13c. extra. 10 in. 90c. by mail 20c. extra.

Straight Wire Stronger than Twisted

Woven wire, if it breaks at all, breaks in the twists as the twist is the weakest part of it. It is therefore an undisputed fact that a straight wire will stand double the strain of one twisted. In the fabric made on our Machine where all the straight wires are used we call them twists but in reality there is not a single twist in it. It is the No. 15 mesh or zigzag wires wrapped around the straight wires thus forming the strongest woven wire fabric ever produced. The twists in wire being the weakest part is what causes slat and wire fences to give way and break so easily.

Fence your cemetery lots with the Kitzelman Woven Wire Fence.



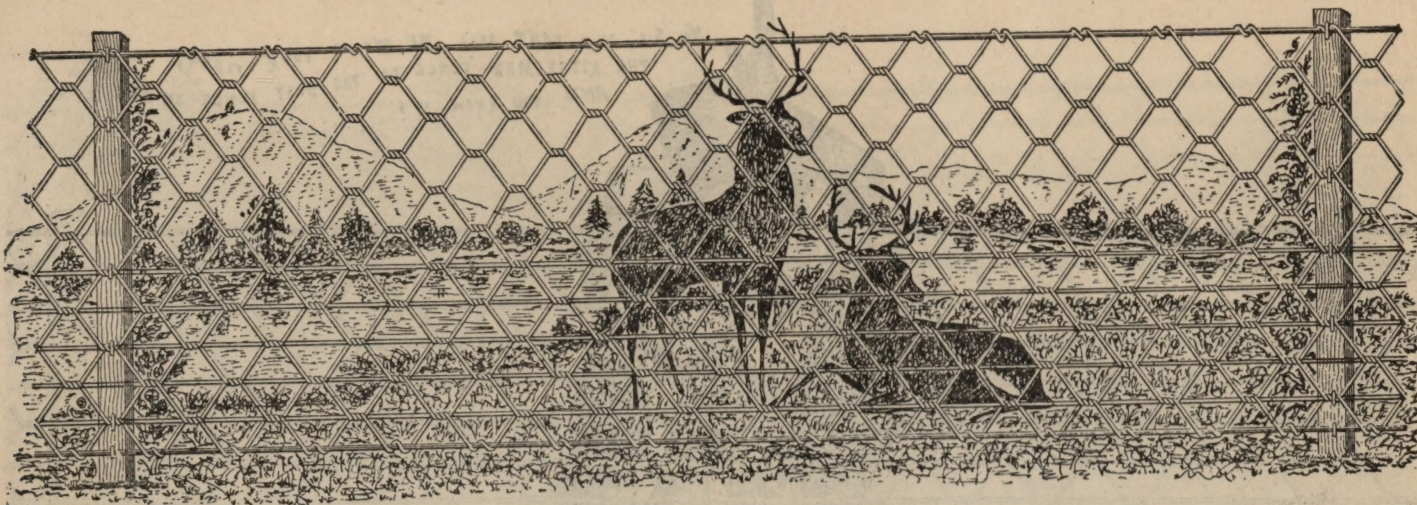
Fire has no terror for the Kitzelman Fence. Quite an item along a railroad. By watching the posts you can burn your fence rows out and always keep them clean.

Style No. 13. 2 No. 9, 3 No. 12 and 11 No. 15 wires, 50 inches high. Breaking strain.

9,458 pounds.

Style No. 14. 5 No. 9 and 11 No. 15 wires, 50 inches high. Breaking strain,

11,738 pounds.



What is more beautiful in the animal line than a deer, and especially so when confined by a Kitzelman Woven Wire Fence, as many are in different parts of the country.

Style No. 15.	2 No. 9, 5 No. 12 and 11 No. 15 wires, 50 inches high.	Breaking strain.	11,058 pounds.
Style No. 16.	7 No. 9 and 11 No. 15 wires, 50 inches high.	Breaking strain.	14,858 pounds.

As Advertised.

WOVEN WIRE FENCE

2 No. 9 and 11 No. 14 wires 50 in. high. Make it yourself for 16c per Rod.

Horse high, bull strong, pig tight. Make it yourself for 23 Cents Per Rod. Catalogue free. Address KITZELMAN BROS. Ridgeville, Indiana.

that you can make the fence for so much money we mean that if you are the owner of one of our Machines that you can buy the wire to make the fence shown at the prices given. Not the common black wire but the very best and thoroughly annealed galvanized steel wire and we are prepared to prove it. The fence shown first in our "ad" is our Style No. 5. To make this style of fence it takes 2 pounds of No. 9 and 5 pounds of No. 14 wire, costing only about 15½ cents. So that in saying you can make it yourself for 16 cents, we are about 1 cent above the actual cost of the wire.

The fence shown last in our "ad" "Horse high, Bull strong and Pig tight" is our No. 3 Style of fence, which is our standard farm fence and far ahead of anything on the market for beauty, strength and durability. To make this style takes 21 lbs. of No. 9, 4 pounds of No. 12 and 3 pounds of No. 15 to the rod, costing (May 20th, wire quotations) 19¼ cents which is 2¼ cents lower than stated in "ad."

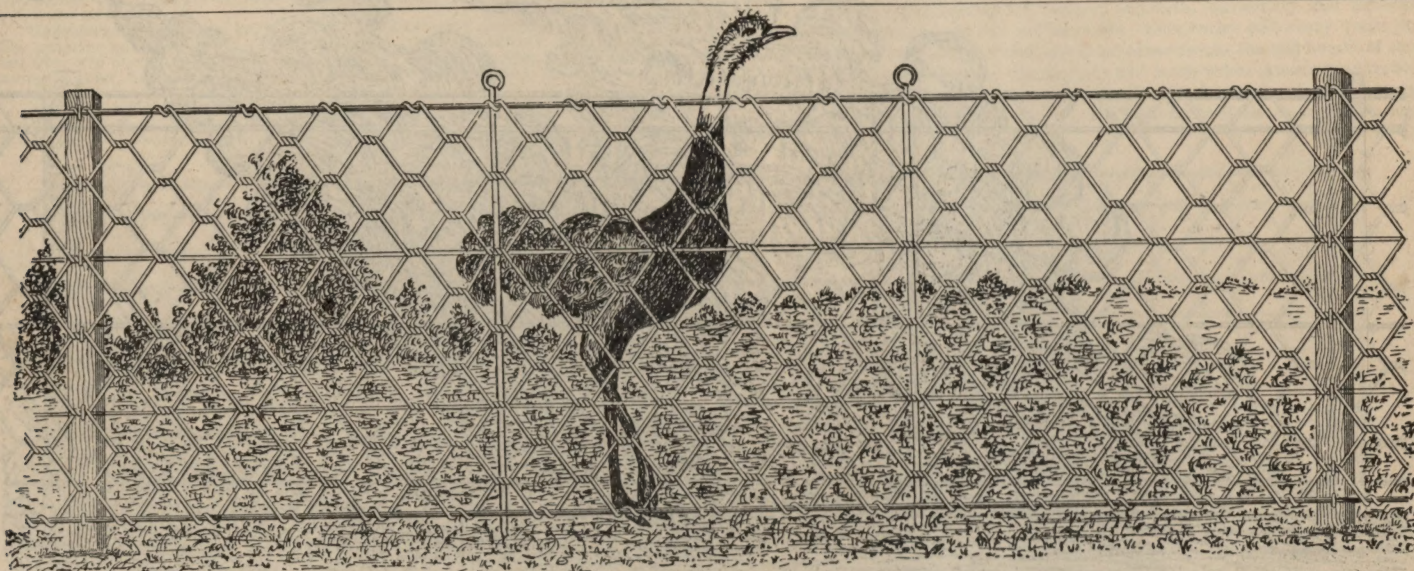
We know it seems incredible that the different styles of fences can be made or the wire to make them, will cost no more than the estimates given, but when

Some doubt our advertisement, thinking it impossible to make the fences shown at the cost per rod given. This Catalogue will of course explain that it is not the fence we are selling but a Machine for making the many different styles shown and when we say

you come to think and figure it is not so astonishing after all. You have doubtless formed this opinion on account of all of the manufacturers of the old styles of woven wire fencing asking such high prices for their fences. Look over their catalogues or circulars and where they give weight at all it is from 7 to 10 pounds per rod. Figure the cost of this by the pound and you will very soon see the difference in the cost of the wire and what they ask you for the fence. You cannot blame them for this, however, for it is the profit that they are in the business for. They have to make their profits on the fence while we make our profit on the Machine but at the same time we sell you Machine so that with the Machine itself on only three or four days work making fence with it you can save or more than make the cost of it. The manufacturers figure on how much they can get you to pay for the fence, while we figure to see and help you to get the best fence on earth for the least possible money.

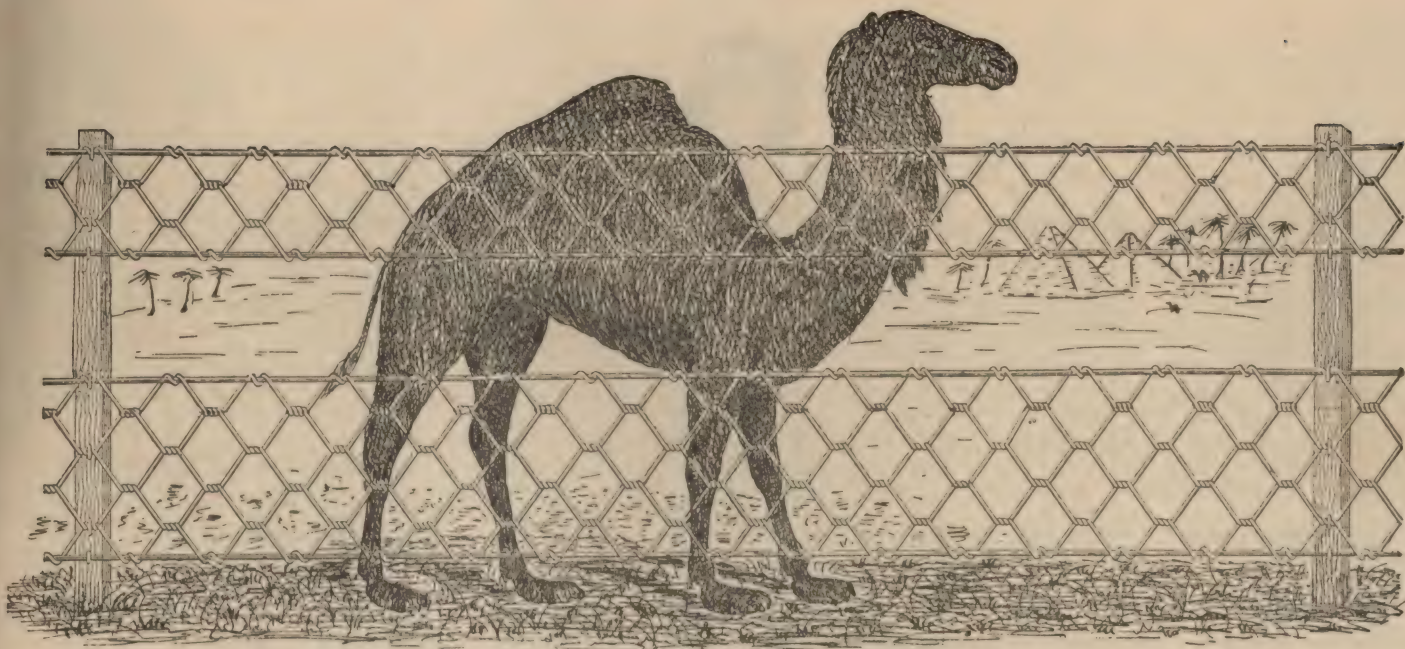
Over 200 Styles of Fence can Really be Made With this Machine.

The 51 Styles shown or described in this Catalogue are not all or near half the number that can be made with this machine. The putting in or leaving out of a straight or mesh wire makes altogether a different style of fence while the using of a twisted cable wire instead of a straight wire in all the styles would make different styles of fence of all of them. Not only this but there is not a style shown that the pickets or stays used in Styles 22, 27, 31 and 35 can not be used in making altogether different styles of all of them. These pickets can be made in a variety of styles and woven into the fabric in almost any desired shape, thus making different styles of all of them, so that a man having one of our Machines can make almost any desired style of fence. If desired he could put up a hundred different jobs of fence in any town and not have any two of them exactly alike.



A familiar scene in the Cincinnati Zoological Garden where you can see an ostrich park inclosed with a Kitzelman Fence. Wouldn't it be a daisy for an ostrich farm?

Style No. 17.	2 No. 9, 2 No. 12 and 11 No. 15 wires, 50 inches high.	Breaking strain,	8,658 pounds.
Style No. 18.	4 No. 9 and 11 No. 15 wires, 50 inches high.	Breaking strain,	11,178 pounds.



Look ou-it! This is not exactly in the streets of Cairo, although it will remind many who were at the World's Fair of their experience in riding a camel. This, however, has nothing to do with the Kitzelman Fence being especially adapted to the hot River Nile country.

Style No. 19. 4 No. 9, and 8 No. 15 wires, 50 in. high. Breaking strain, 9,056 pounds.

Style No. 20. Same as No. 19 with straight wires through each mesh as in No. 2. Breaking strain 13,856 pounds.

Style No. 21. Same as No. 19 with straight wires through lower mesh as in No. 2. Breaking strain 12,256 pounds.

Concerning Ourselves.

It is an old saying that self-praise does not go very far, and we will therefore

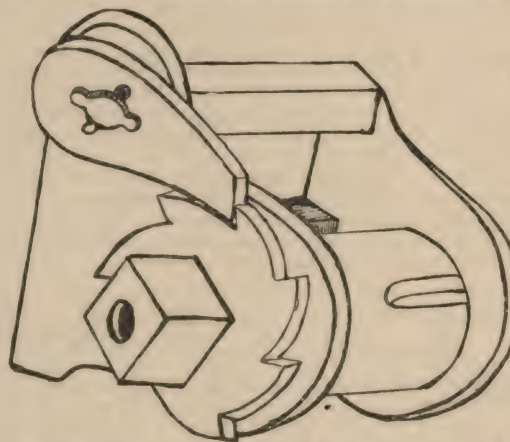
say but little about ourselves. We claim, however, to be as honest and honorable as the average run of men, and aim to deal fair and honorably with all. In having so much to look after, we have a great deal of corresponding to do, and also oversee and keep our factory running in the manufacture of these machines. It is therefore impossible for but one of us to get away from home at a time. You will therefore see that it is also impossible for us to see personally all that we trade or deal with. This being the case, we are compelled to employ several salesman. We aim to employ none but honest and honorable men, and we think you can rely upon all our salesmen being perfect gentlemen. Where we have not known them for years, we make very searching inquiries regarding their character and business ability before employing them. We give all them instructions to treat everybody right, and deal fair and honorably with all, and if any one knows of any one of our men doing a dishonorable act to make sales we will consider it a favor if they will notify us of same.

As to ourselves, we refer any and all to THE FARMERS & MERCHANTS BANK AND RANDOLPH COUNTY BANK BOTH OF WINCHESTER, IND.. THE RIDGEVILLE BANK, POSTMASTER, EXPRESS AGENT, or any business firm of this place; and also to any and all of the parties that we have done business with. There certainly can be no better recommend than from those with whom we have done business.

Distance Posts Should be Set Apart.

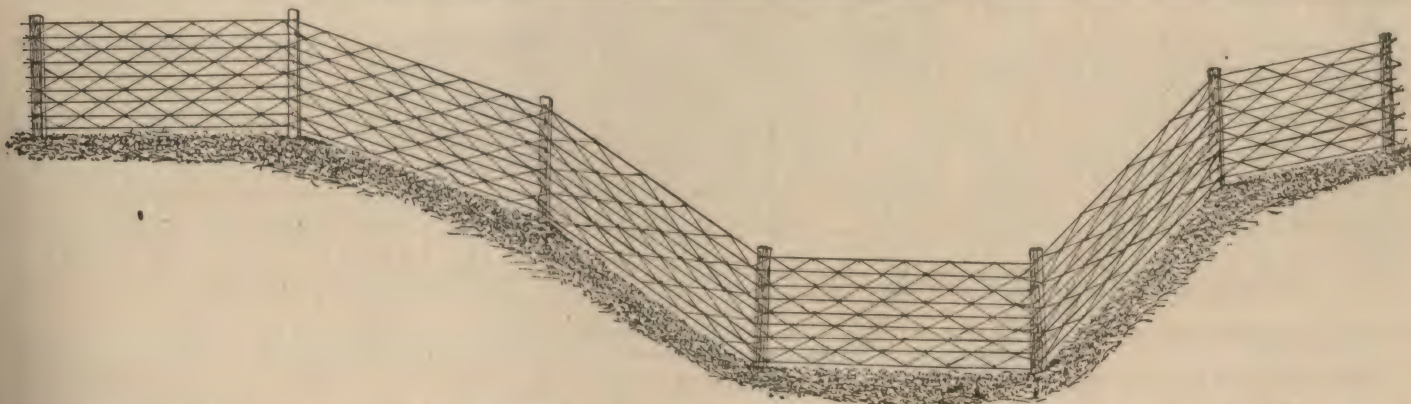
For a farm fence there is no necessity of setting the posts closer than 16½ feet and a first-class fence can be made by placing the posts 32 feet apart and using a wood or wire stay every eight feet between them.

The Kitzelman Ratchet.

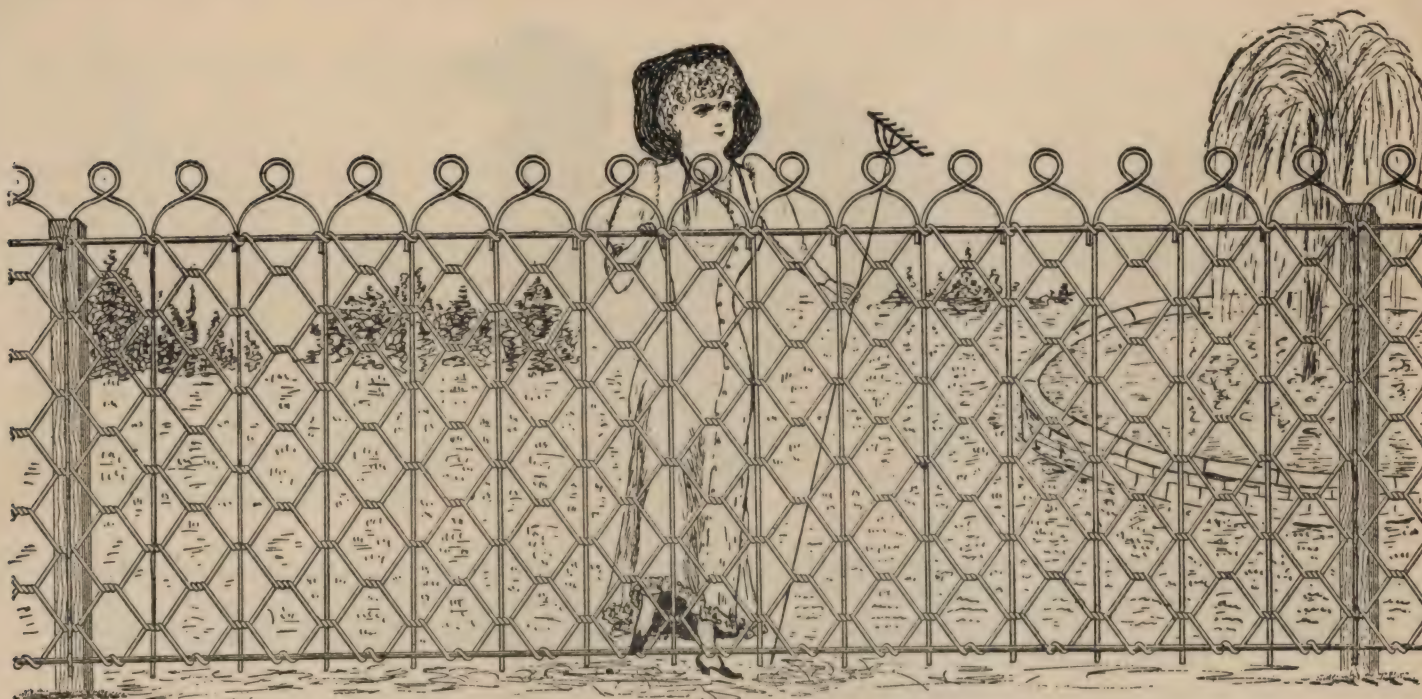


In placing this Ratchet on the market we do so with the feeling of confidence that it will give entire satisfaction. It has been thoroughly tested and found perfect in every particular. It is so constructed that the parts are held together as one piece, which saves much time in handling and avoids the losing of pawls and

will not fall to pieces when the wire slackens having been adjusted to the fence. The roller is large in diameter as well as in length and will not break the wires in wrapping. It is not necessary, nor do we particularly recommend the use of a Ratchet for the Kitzelman Fence, but we believe in furnishing a man what he wants, and can therefore furnish them if wanted.



The Kitzelman Fence is all right, up hill, down hill, over a hill, on the side of a hill or through hollow, and can be made where any other fence can be built.



Maud Muller on a Summer's day raked the meadow sweet with hay, but no one at this day can tell, how much sweeter she and the hay would have been had her Father's front yard been fenced with a Kitzelman Fence.

Style No. 22. 2 No. 9 and 11 No. 15 wires, 50 inches high, 33 stays to the rod. Breaking strain, 6,692 pounds.
 Style No. 23. Same as No. 22 with the extra stays as in No. 31. Breaking strain, 6,992 pounds.

Standard Farm Fence.

Styles No. 2 and 3 are the Standard Farm Fences, there being more of these two styles used than of all the others.

Samples of Fence for Advertising.

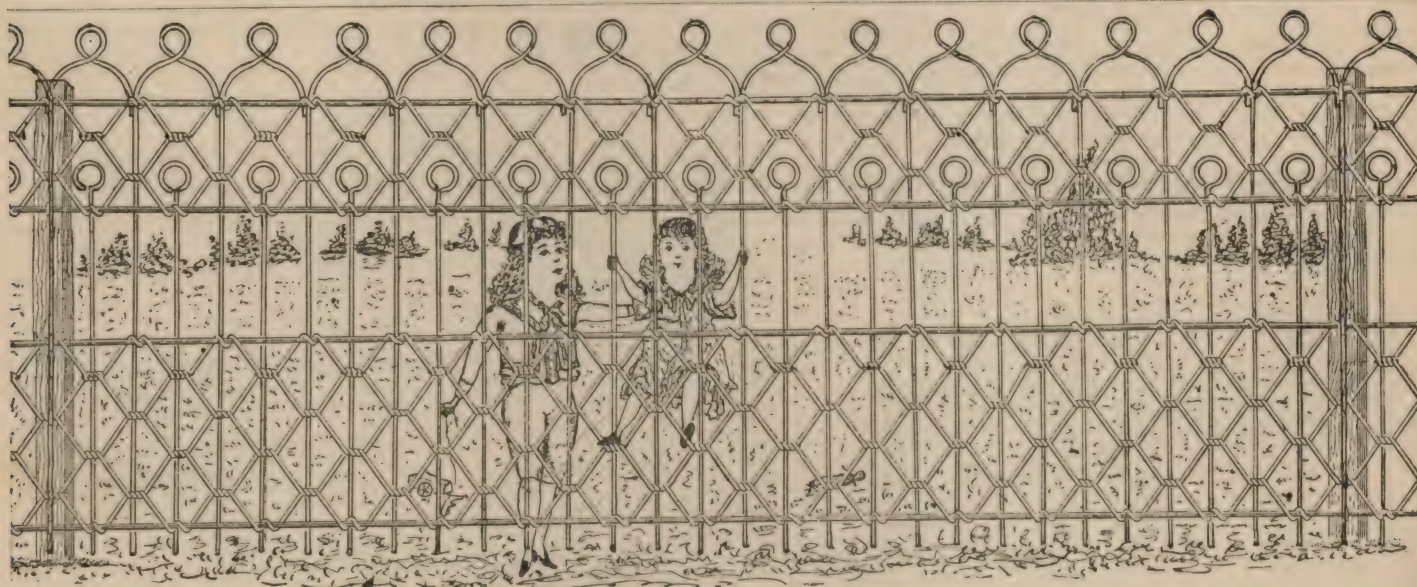
We quite often receive letters from parties wanting us to send so many feet or rods of fence as a sample, who say if we will do this they will put it up in front of their place, which is always along a public highway traveled a great deal or close to some town where it will be seen by a great many people. They always say it would be a good advertisement for us and that they will talk it up and do all they can to advertise it, if we send them the fence free of charge. We have had persons write us to come as much as two hundred miles, saying they would let us put up a fence in front of their place as a sample. Their intentions are no doubt good but we don't care to be bothered with such propositions.

Selling the Fence.

We receive hundreds of letters from parties wanting to buy the fence already made. It is the machine we are manufacturing and selling and not the fence. Do not ask us to furnish or name you price on the fence fabric, as we do not furnish it.

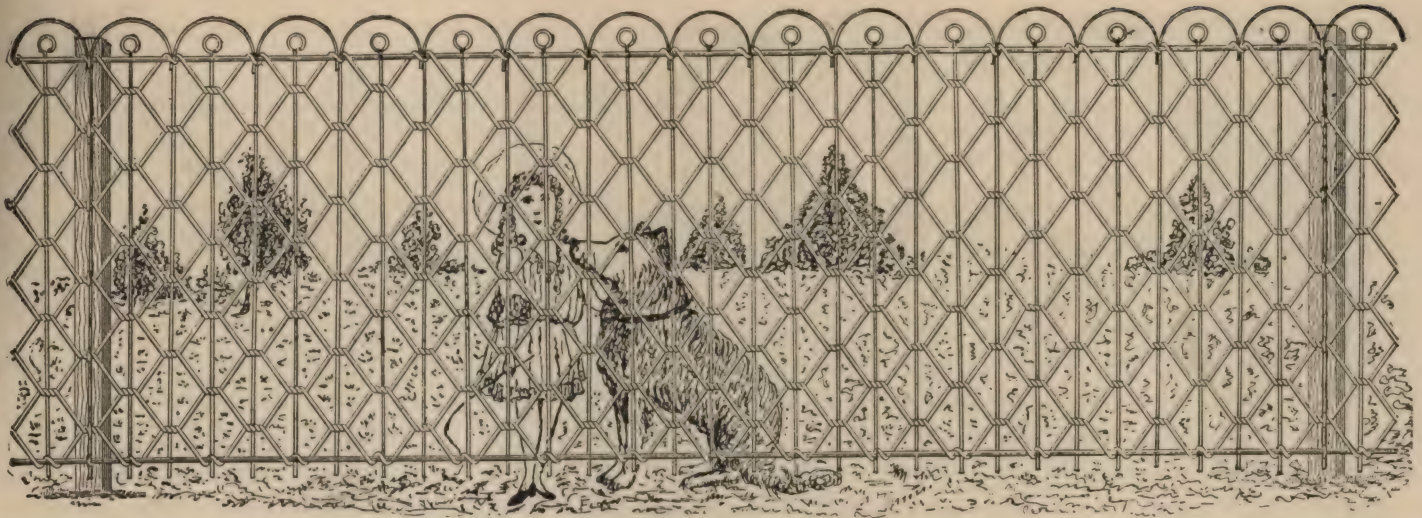
Sample of Fence.

Many write us for samples of the different styles of fence. We can not furnish samples, and for the reason that were we to undertake to keep the fabric on hands of all the different styles so as to send samples of the kinds wanted to the hundreds who ask for them we would have to have a large room to keep them in, and have an extra man to attend to the making and getting out the samples. Not only this but a short sample of any of the styles sent by express or freight would be knocked around and more or less damaged and would not be a fair representation of the fence.



You may have a fence in front of your house that you cannot see through or that hides from view the flowers, shrubbery, etc., but if you had a Kitzelman Fence this would not be the case.

Style No. 24. Same as No. 22 with straight wires as in No. 13. Breaking strain, 8,458 pounds.
 Style " 25. Same as " 22 with straight wires as in " 47. Breaking strain, 11,536 pounds.
 Style " 26. Same as " 22 with straight wires as in " 10. Breaking strain, 11,704 pounds.



The children delight to play behind the Kitzelman Fence because they do not have to climb to the top of it to see who passes by on the other side.

Style No. 27.	2 No. 9 and 11 No. 15 wires and 33 Ornamental stays.	Breaking strain,	-	6,992 pounds.
Style " 28.	Same as No. 27 with straight wires as in No. 10.	Breaking strain,	-	11,704 pounds.
Style " 29.	Same as " 27 with straight wires as in " 13.	Breaking strain,	-	9,458 pounds.
Style " 30.	Same as " 27 with straight wires as in " 47.	Breaking strain.	-	11,536 pounds.

Different Styles of Fence.

There is more than one style of fence described below some of the engravings shown in this catalogue, but the only difference there is in them, where not otherwise described, is in the size of wire or in the number of straight wires used.

Heights of Fence.

The straight wires being $4\frac{1}{2}$ inches apart, the fence can be made 18 $\frac{1}{2}$, 23, 27 $\frac{1}{2}$, 32, 36 $\frac{1}{2}$, 41, 45 $\frac{1}{2}$ or 50 inches high or can be made in shape of wire fenceboards, as some call them, $4\frac{1}{2}$ or 9 inches wide, and the machine works equally as well on the narrow widths as on the full height.

No Patent on the Fence.

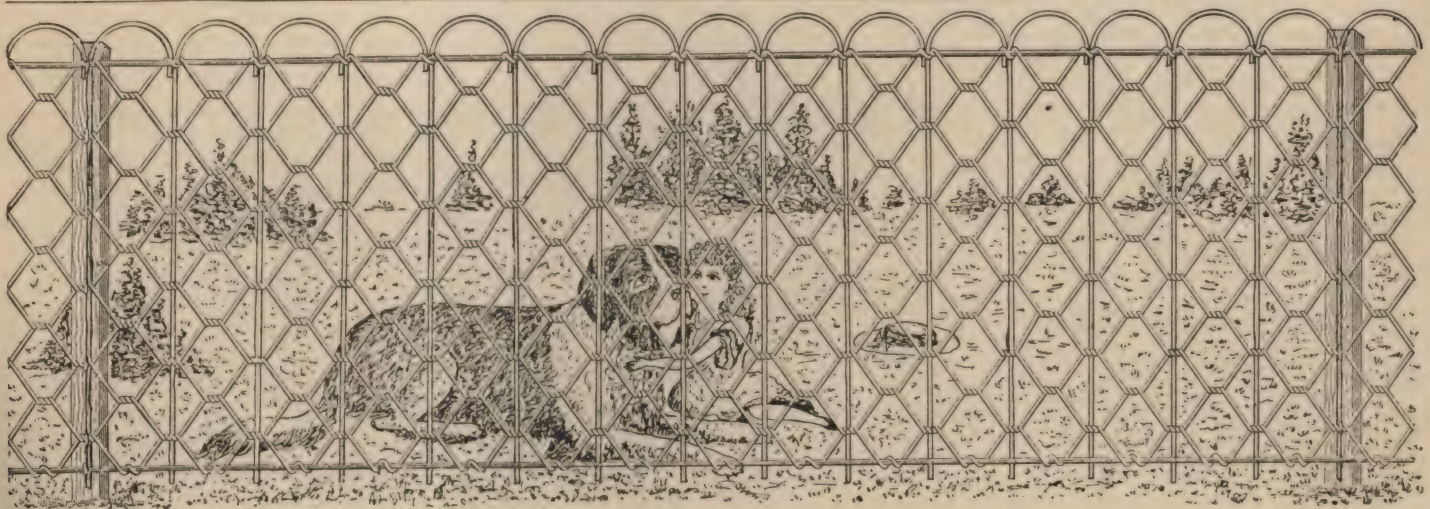
Some think there are patents on the fence, and if they buy a machine they might have to pay some one a royalty on the fence. There is no patent on the fence. Some of the styles shown were no doubt patentable when first made, as they were never constructed until made on our first machine and we were therefore the inventors of them but we failed to patent them, and having had them in use for over two years there could not be a good patent secured, as it is now too late. You need not therefore have any fears of having to pay a royalty on the fence.

Patents.

Our Patents are on the Machine. There is no royalty to be paid on the fence. Any one purchasing one of our **Star Machines** can use it any place.

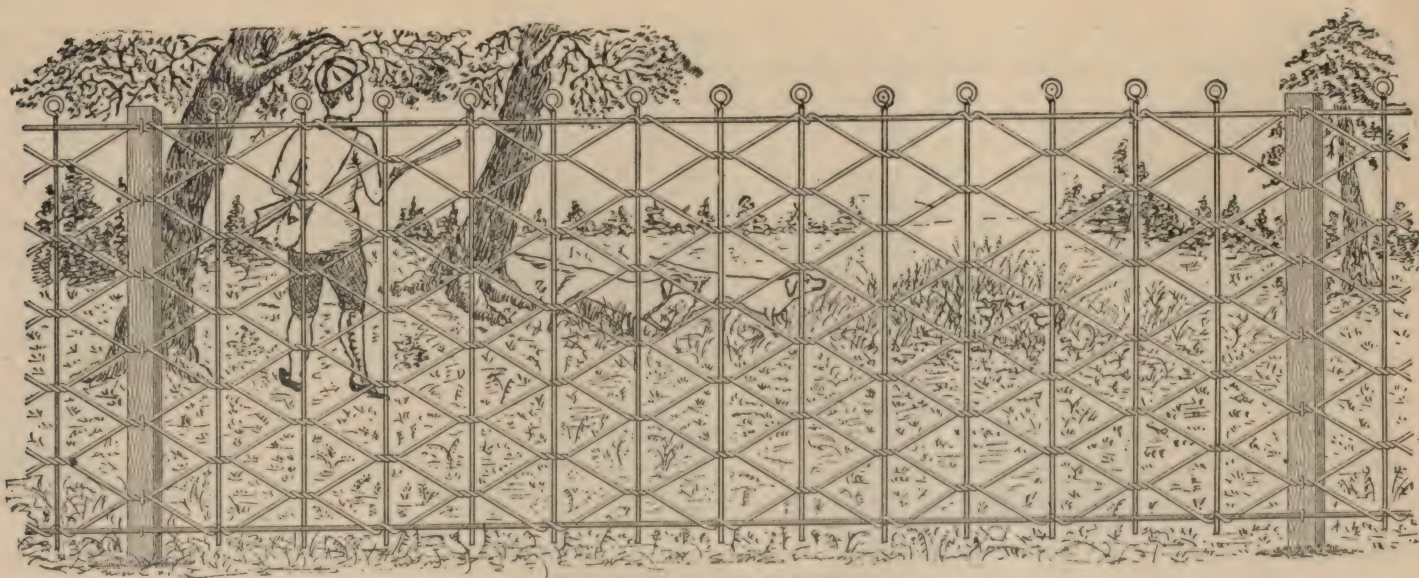
An Astonishing Fact

The fence question is of far more importance to the farmer in the way of expense than any other. It is the greatest question that the American farmer has to solve. In many sections of the country the rail timber is about exhausted, and where it is still plenty the farmers are beginning to realize that it is the most expensive fence that can be built. According to recent statistics from the Department of Agriculture, Washington, D. C., it is shown that the total value of all fences in the United States is \$4,050,000,000, exceeding the value of live stock \$1,714,000,000, this excess about equaling the bonded debt of the United States. Now, if it be remembered that the life of a rail, board or picket fence is from ten to fifteen years, the astounding fact presents itself that the farmer has to deal with a financial problem greater than that with which any statesman has to deal; because the statesman votes away millions that has very little if any effect upon the individual, whilst the farmer must expend billions ever score of years, and earn every penny of it with their own hands.



There is no truer friend than a dog, and yet how little we seem to care for them. Knowing their true friendly character it is always pleasant to associate them with children at play. The Kitzelman Fence though not so noisy is as true to your interests as the dog's friendship.

Style No. 31.	2 No. 9 and 11 No. 15 wires with 66 stays to the rod.	Breaking strain,	-	6,992 pounds.
Style " 32.	Same as No. 31 with straight wires as in No. 10.	Breaking strain,	-	11,704 pounds.
Style " 33.	Same as " 31 with straight wires as in " 13.	Breaking strain,	-	9,458 pounds.
Style " 34.	Same as " 31 with straight wires as in " 47.	Breaking strain.	-	11,536 pounds.



No place along the Kitselman fence for birds to hide. The hunter must therefore look elsewhere for them, but at the same time it gives both birds and hunter a chance to shoot through.

Style No. 35.	2 No. 9 and 11 No. 15 wires, with 33 stays to the rod. Breaking strain,	-	6,992 pounds.
Style No. 36.	Same as No. 35 with straight wires as in No. 6. Breaking strain,	-	11,058 pounds.
Style No. 37.	Same as No. 35 with straight wires as in No. 2. Breaking strain,	-	11,704 pounds.

Staples Necessary.

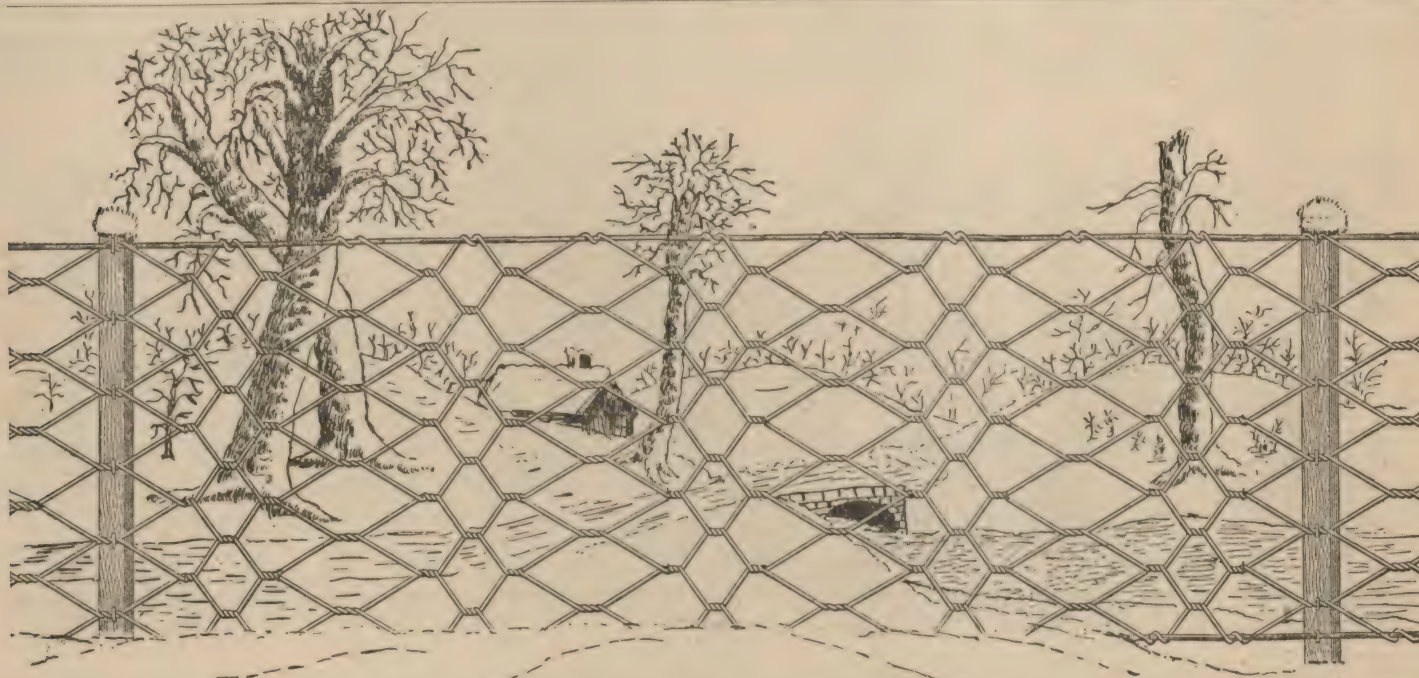
If you are making a 50 inch high fence, use 12 horizontal wires, and a staple for each wire, it will take about 2 ounces to the post. It is not necessary, however, to use a staple for every wire as a staple on every other wire will be sufficient. By counting the posts used you can figure the number of pounds of staples it will take for any fence.

Spliced Wires Going Through the Machine.

A splice in any of the straight wires except the top and bottom or margin wires will go through the machine. To splice the margin wires weave up to the splice, then cut it out and run the wires through the machine and splice on the other side. To splice the mesh or spool wires simply make a hook or loop in the two ends and fasten together.

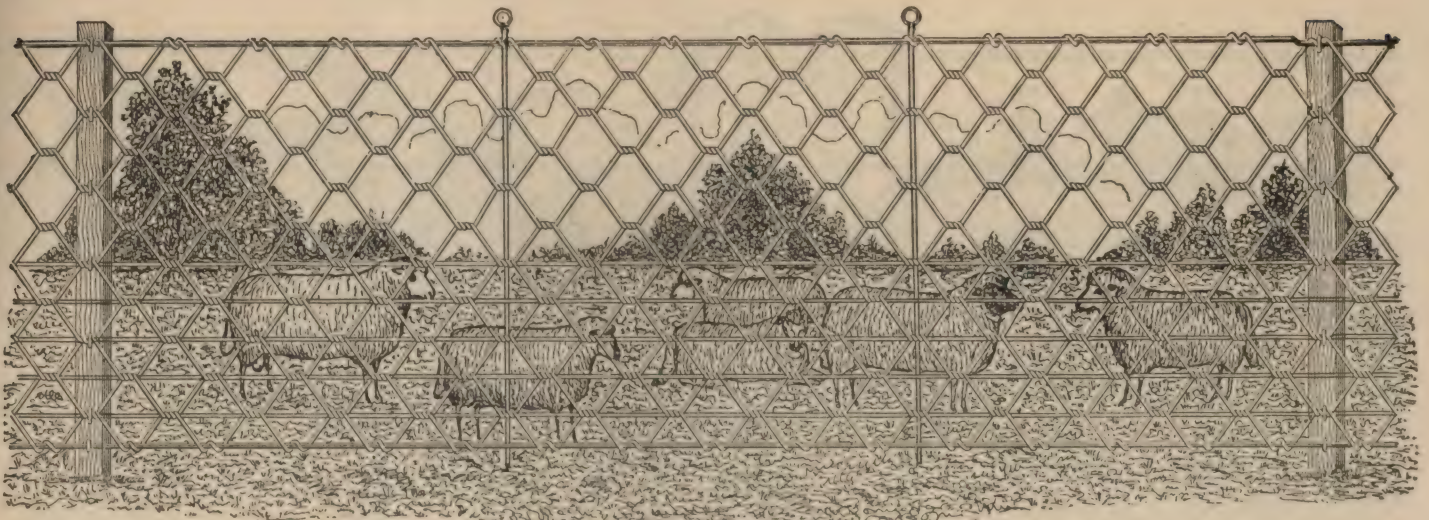
Consider Price of Machine High.

Some seem to think the price of machine and outfit a little high, but in thinking so they only take into consideration the cost to manufacture and not what goes with it, and what the machine will do. There is not a farmer in the country who has a single machine or implement on his farm that he has done or can do with it what he can do with one of these machines, viz: Make or save the cost of it on only four or five days work with it. Of course we could sell the machine for less money and still make a profit, but we are not going to do it. It is the profit on the machines that we have to depend upon and is what we are working for and if we place a machine in your hands that will pay for itself in from four to five days it is cheap to you at any price. While some think the price high, others more enterprising and who seem to be able to take in the merits and real worth of the machine at a glance, consider the price entirely too low.



The cold chilly winds of December do not affect the Kitselman Fence. Snow will not drift against it but is as level where the fence stands as elsewhere.

Style No. 38.	2 No. 9 and 11 No. 15 wires, 50 in. high. Breaking strain,	-	6,992 pounds.
Style No. 39.	Same as No. 38 with straight wires as in No. 2. Breaking strain,	-	11,704 pounds.
Style No. 40.	Same as " 38 with straight wires as in " 3. Breaking strain,	-	19,058 pounds.



This is the second time we have shown a fence for sheep but any of the styles of the Kitselman Fence are so suitable for this purpose that we cannot say too much about it.

Style No. 41.	2 No. 9, 5 No. 12 and 11 No. 15 wires, 50 in. high.	Breaking strain,	11,058 pounds.
Style No. 42.	7 No. 9 and 11 No. 15 wires, 50 inches high.	Breaking strain,	14,858 pounds.

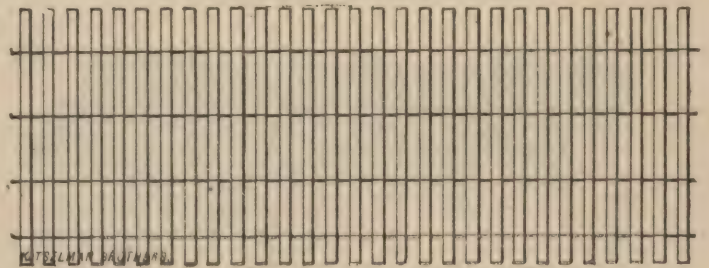
Space Machine Occupies.

The Machine ready for work is 4 feet 10 inches high and with the braces, gear wheel and feed or mesh regulating lever attachment occupies a floor space of 10 inches by 2½ feet.

Fear Over-production.

There is a certain class of men who always fear an over-production of everything; they fear the bottom would fall out were they to engage in any special work. Such men ought not to try to do anything for themselves, and are only fitted to work for ordinary day-going wages for some other man of pluck and enterprise. Occasionally a man may be found who thinks the price of fence would fall were he to engage in the work. There is but one answer to such inexperienced and timid people, and that is, they might as well expect lumber and flour to go down to half price all over the country were they to build a saw mill or flouring mill; or that wheat would go to forty cents a bushel were they to put in a hundred acres of wheat.

Some men have lived about all their lives in some secluded spot, and have as little knowledge of the daily needs of the people of this earth as does a five-year-old child toddling off to school with its primer reading book. Such men will take stock in anything that is headed by a circus brass band, but they don't know any more about enterprise and business ability than a pig knows how to make lace.



We have nothing favorable to say of this fence. It can be made with our machine and is a good fence while it lasts, but it don't last long enough; but you know this without being told.

Style No. 50. 8 No. 12 wires and 40 wood pickets. Breaking strain, 6,400 lbs.



The Kitselman Fence is adapted to Cotton Plantations, Orange Groves or in fact any other use in the South. There is no place where a fence is used for any purpose but what some one of our many styles is suitable.

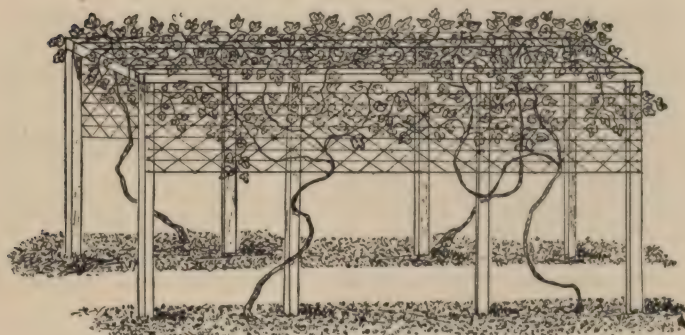
Style No. 43.	2 No. 9, 6 No. 12 and 11 No. 15 wires, 50 inches high.	Breaking strain,	15,072 pounds.
Style No. 44.	8 No. 9 and 11 No. 15 wires, 50 inches high.	Breaking strain,	16,352 pounds.



If you know of any kind of farm stock that the Kitzelman Fence will not turn, let us know what it is.

Style No. 45.	2 No. 9, 4 No. 12 and 11 No. 15 wires, 50 in. high.	Breaking strain,	10,192 pounds.
Style " 46.	6 " 9 and 11 No. 15 wires. 50 inches high.	Breaking strain,	13,232 pounds.

The Kitzelman Grape Arbor.



The above shows the Kitzelman Fence fabric being used on a grape arbor. It is also suitable for berry bushes, tomato vines, and many other purposes, and the owner of one of these machines is prepared to make it himself for all such uses.

Passing Posts or other Obstructions.

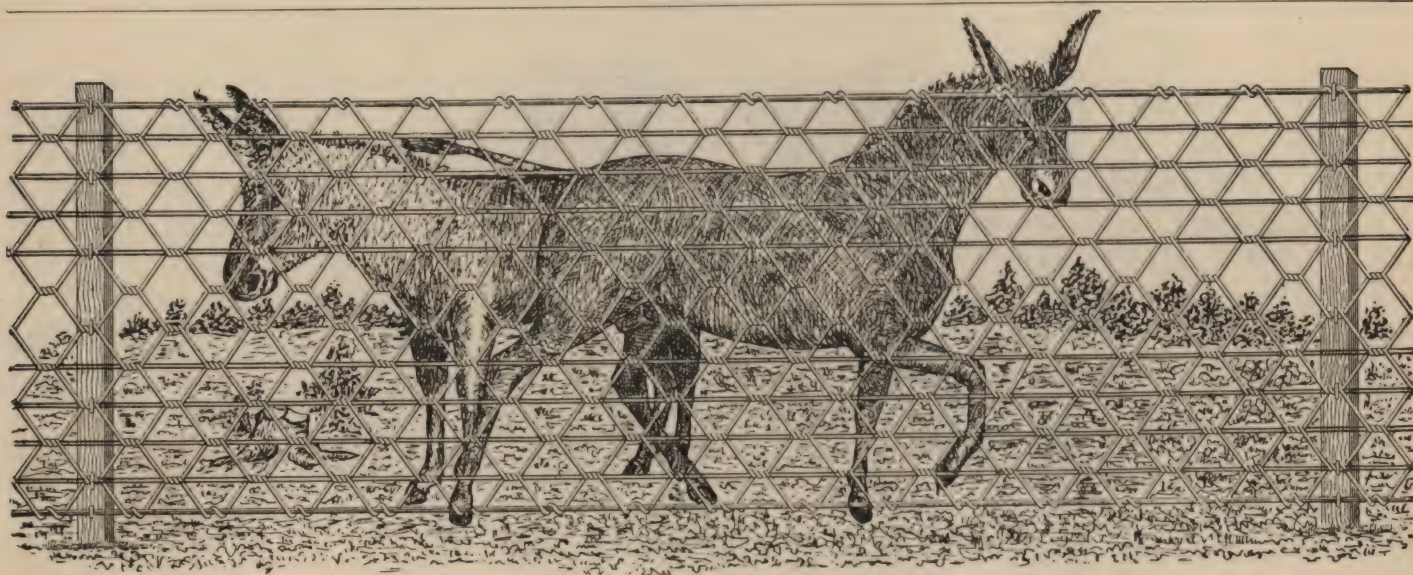
In weaving the fence with this Machine the posts do not interfere with it in any way. The Machine passes right along by them and leaves the woven fabric right where wanted to staple to the posts.

Number of Rods for a Day's Work.

Some seem to think that it is impossible to weave the fence as fast as we claim, 40 to 60 rods per day. After working with the machine a short time it is very easy to do this on a farm fence, and we know of several instances where two parties put up as much as 100 rods in ten hours and who will undertake to do this at any time.

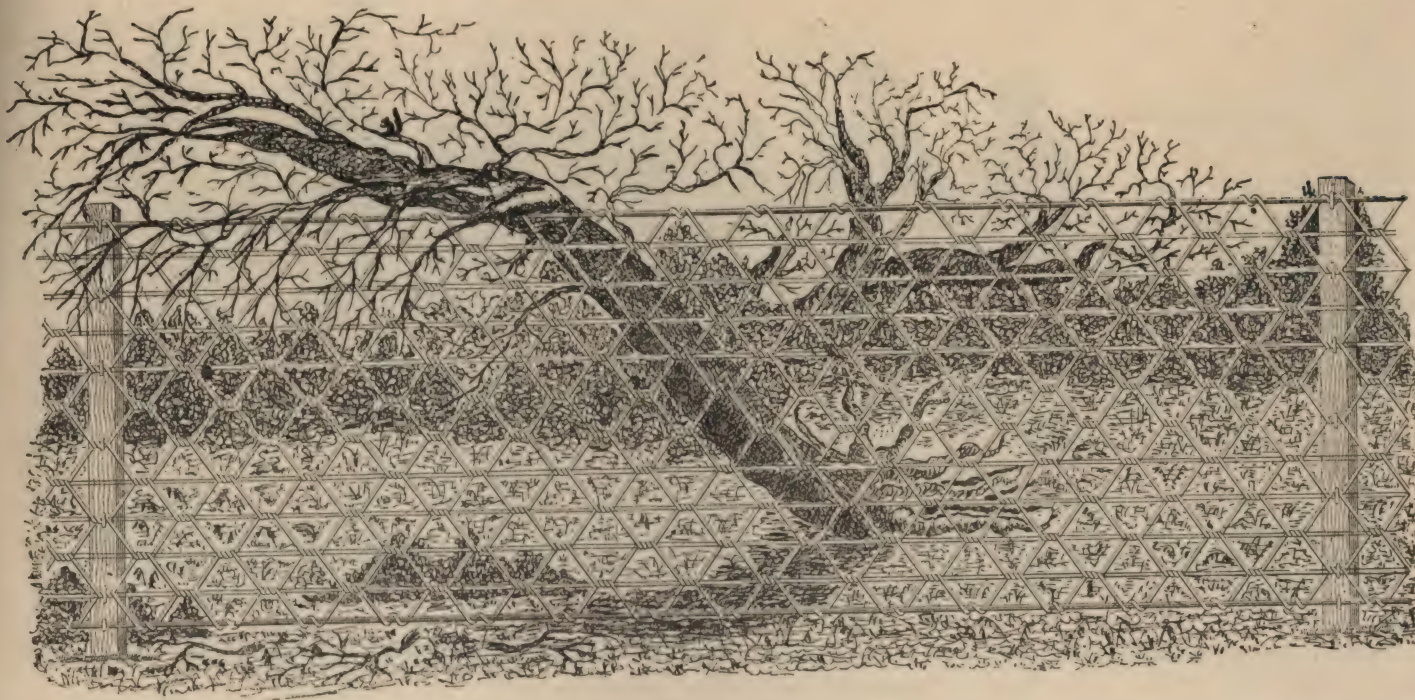
Utilizing Old Fences.

A great many farmers have straight wire fences that will not turn all kinds of stock and does not give entire satisfaction. The wire in all such fences can be used as the straight wires used in the fence made with our Machine, thus enabling those having such fences to convert them into the best fence on earth with but little additional expense for the mesh wires. Twisted cable wire can also be used for the straight wires, while if one has barb wire he can make a 36 $\frac{1}{2}$ or 41 in. fabric and use the barb wire above it as shown in Style 51, which makes a first-class farm or railroad fence.



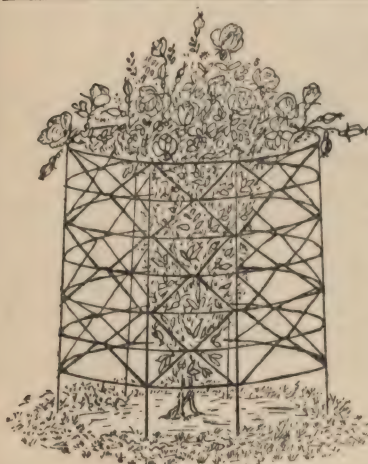
Mules are about as hard as any farm stock to keep in bounds, but the Kitzelman Fence is equal to the occasion, as many mule raisers throughout Kentucky can testify.

Style No. 47.	2 No. 9, 8 No. 13 and 11 No. 16 wires, 50 inches high.	Breaking strain,	11,536 pounds.
Style " 48.	2 " 9, 8 " 12 and 11 " 15 wires, 50 inches high.	Breaking strain,	13,392 pounds.



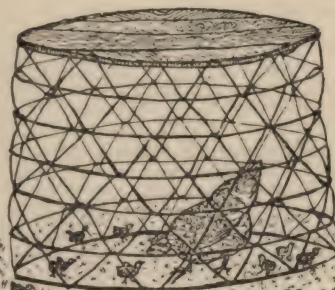
This fence was not made for the tree but the tree for the fence. It is simply intended to convey some idea of the strength of the Kitselman Fence. There are many places where trees have fallen upon it and did not break it down.

Style No. 49. 10 No. 9, and 11 No. 15 wires, 50 in. high. Breaking strain, 19,472 pounds.



The Kitselman Flower Guard.

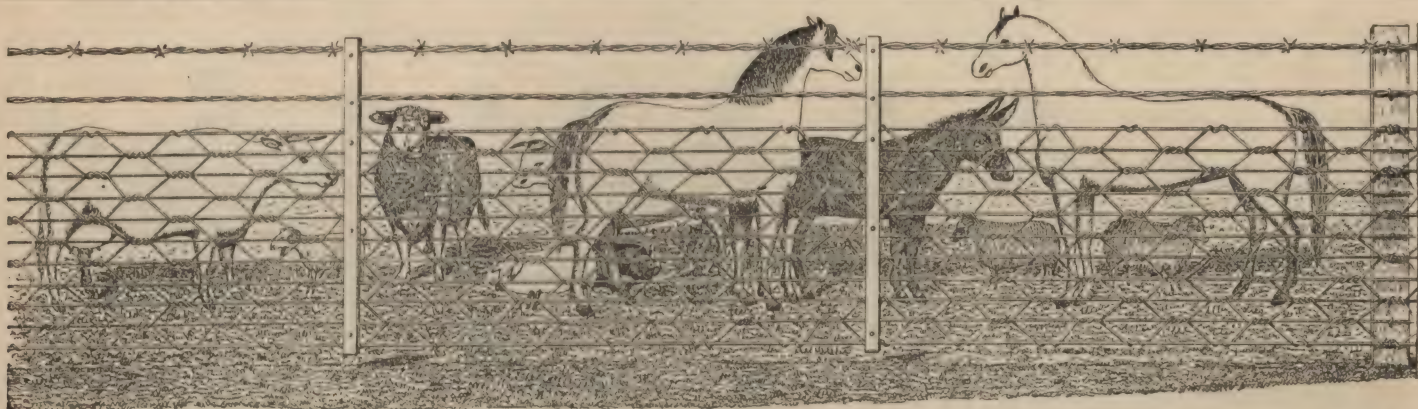
Well yes! I should smile and I can almost see the ladies smile with delight when they see it. It is certainly what they have been looking for. It can be used around a square flower bed as well as a round one. Also good for tomato vines. What is more beautiful than a bunch of flowers surrounded by one of these guards, and just think of it, the owner of one of these machines can make them himself at the actual cost of the wire which is but a trifle.



The Kitselman Chicken Coop.

This cut gives an idea of the many useful articles that can be made with the Kitselman Woven Wire Fence at a very small cost. This coop holds the same relation to the garden as the Australian ballot does to the old system, viz. "No scratching goes."

♦ ♦ ♦



Style No. 51.

FARM AND RAILROAD FENCE.

The above cut represents a part of a 32 foot panel of our farm and railroad fence, the posts being set 32 feet apart and three stays used between them, making a flexible but very strong and durable fence. It is the best farm or railroad fence on the market. It is made by making a 41 inch high fabric of style No. 3, in combination with one cable and one barb wire above it. It is no cheaper than an all woven wire fabric, but is more effectual in turning all kinds of stock. The fabric is high enough to turn all kinds of small stock without injuring them in any way while the barb wire on top prevents large stock from reaching over or rubbing against it and is high enough above the ground to not cut or injure them in case they run against or into it. It is used quite extensively in northern and western Illinois by the C. B. & Q., Railway, and is only a question of a little time until it will become a general favorite with western railroads. Snow will not drit against it, fire and wind does not affect it, and it is cheap, durable and ornamental.



The above cut shows a panel of our Standard Farm Fence with seven men weighing over 1,200 pounds, standing upon it.

Our Own Printing Office.

Having our own printing office we have been doing most of our printing since 1883, but as we could only print about 2,000 of the large size circulars or 800 catalogues per day we were unable to keep up with the increase of our business and supply the necessary printed matter. We therefore in March purchased a large cylinder press on which we can print 15,000 circulars per day or 2,500 catalogues and hope with the two presses to be able to supply all the necessary printed matter.

See Us Grow.

Prior to May 1st, 1894 our factory building was 40x42 ft. two stories high and contained 3,360 square feet of floor space. In addition to this we had a 20x35 foot engine room, a blacksmith shop and a ware-room, so that our total working and storing floor space was 5,350 square feet. With all this space, and working all the hands we had room to work we could not keep up with the orders, and on May 1st we commenced a 37x40 foot two story addition to our factory, making the main factory 40x79 feet and giving us over 8,300 sq. feet of floor space, but from the way the orders keep coming in, even with all the additional help we can work, this will not give us sufficient room very long, and we are now figuring on another large ware room for the storage of material and also a Foundry so as to be able to make our own castings. Until the Fall of 1893 we did all our office work in a 16x24 single room office, at which time we built a two-room addition 16x31 feet and already find ourselves crowded for room.

How to Make Fence Stays.

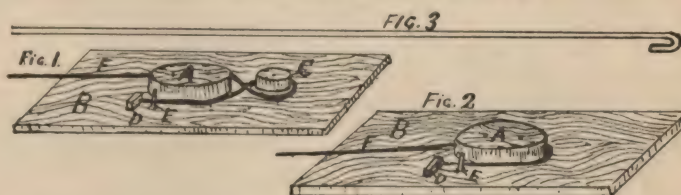















Figure 3 represents the wire stay used in the different styles of farm fences. It is made by taking a straightened piece of wire No. 6 and putting the bend on one end as shown.

To make the picket used in style 22, fix a board as shown in Fig. 1 with the round block A fastened to it, and with block or pin C fastened loosely to it by having a hole through the board B. Then take the straight wire rod run it down between block A and pin E until it strikes gauge block D. Then bend around block A until you can slip pin C to its place. Then bend around pin C and over block A until you can get it down back of block A and then part way around block A.

The picket used in styles 27 to 34 are made as shown in Fig. 2, and will be easily understood from above description.



The above cut shows the panel of Fence just after the seven men stepped off of it.

EXACT SIZES OF WIRE.	Nos.	Diam.	Weight of 1 Mile, lbs.	Feet to pound	Breaking wt direct strain, lbs.
	6	192	514	10 28	2.510
	7	177	489	12 05	2.220
	8	162	367	14 37	1 840.
	9	148	306	17.24	1 560
	10	135	255	20 70	1 280
	11	120	202	26 18	1.000
	12	105	154	34.25	800
	13	092	118	44.64	568
	14	080	89	59.17	456
	15	072	72	73.00	352
	16	.063	55	95.24	264
	17	.054	41	129.87	208
	18	.047	31	172.11	160

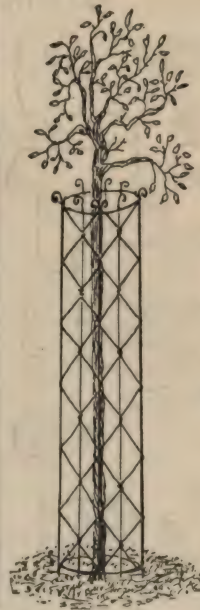
FOR CONVENIENCE WE GIVE THE FOLLOWING TABLE OF
USEFUL INFORMATION:

SIZE OF INCLOSURE.				RODS.	FEET.
To Fence	1 square section requires	4 miles of Fence		1,280	21,120
" 1 1/2	" " "	3 " "		960	15,840
" 1 1/4	" " "	2 " "		640	10,560
" 80	acres " "	1 1/2 " "		480	7,920
" 40	" " "	1 " "		320	5,280
" 20	" " "	1/2 " "		240	3,960
" 10	" " "	1/4 " "		160	2,640
" 5	" " "	1/8 " "		120	1,980

Style No. 2 being the standard fence and the one mostly made, we give the weights for the different heights.

SIZE OF WIRE	NO. 9	NO. 13	NO. 15 OR 16	TOTAL
18 1/2 inches high, lbs. per rod.	2	2 3/4	3 1/4	4 1/2
23 inches high, lbs. per rod.	2	2 1/2	1 1/2	5 1/2
27 1/2 inches high, lbs. per rod.	2	2 1/2	1 1/2	5 1/2
32 inches high, lbs. per rod.	2	2 1/2	1 1/2	5 1/2
36 1/2 inches high, lbs. per rod.	2	2 1/2	1 1/2	5 1/2
41 inches high, lbs. per rod.	2	2 1/2	1 1/2	5 1/2
45 1/2 inches high, lbs. per rod.	2	2 1/2	1 1/2	5 1/2
50 inches high, lbs. per rod.	2	2 1/2	1 1/2	5 1/2

This estimate is based on a standard farm fence. For very small mesh it will take more of No. 15 or 16.



The Kitselman Tree Guard.

This tree guard can be made from most of the Styles of fence shown in this Catalogue and therefore almost any desired style. They can also be made in short lengths for putting around small trees to keep rabbits from peeling them. They can be put around the trees in such a way by overlapping that they will expand as the tree grows larger and still afford complete protection.

Paying Freight.

We do not pay freight on Machines. Our price is F. O. B., cars here, but we secure through rates.

Extra Height Machine.

Our Standard size Machine makes the fence 50 inches high but we can make them for 54 1/2 or 59 inch fence at an advance of \$2.00 and \$4.00 respectively above the price of Standard size.

Writing for Agent's Prices.

We receive hundreds of letters from parties asking for our best prices to agents, the greater number of whom have no intention of undertaking the sale of machines, but whose object is to get a machine for their own use at a reduced price. We make no reduction whatever on the first machine, and it is therefore useless to try to get one for any less than the regular price. One man's money is as good as another's, and there is no reason why we should sell a single machine to one person any less than to another whether he be a dealer or a farmer, and we therefore sell at one price and treat all alike.

Writing to Find out Standing of Parties.

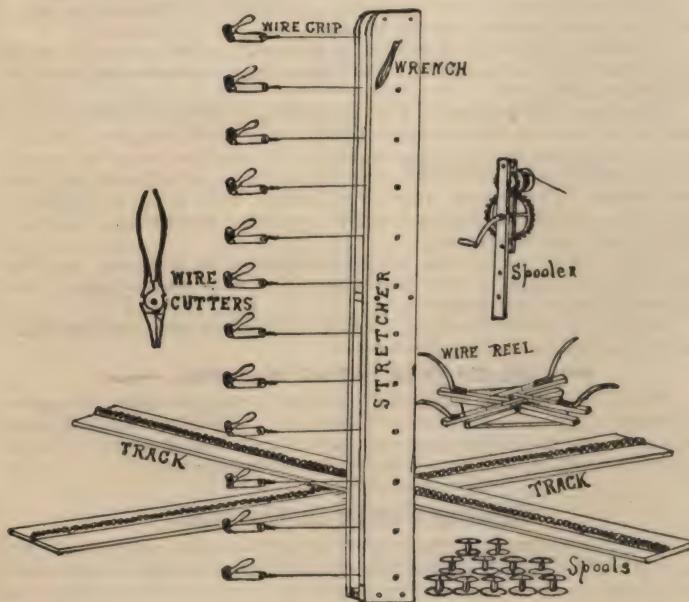
Many think we ought to send machines on thirty days trial, and quite often ask us to do this, giving us the very best of references, but at the same time to know positively we would have to write to the references given. This we have not the time to do. We give the very best references as to our standing, and while any one would only have to write one or two letters to find out all about us we would have to write hundreds were we to undertake to do so, for all who give us references. You will therefore see that it would be out of the question for us to undertake to do so.

Sending Machines on Trial.

Not knowing the standing as above explained we could not send on trial. As far as fence and work of the machine is concerned we would not object to do so as they are all we claim them to be, in every respect, but as explained above we have not the time to keep track of them, and in addition to this we would be placing ourselves in a position to be taken advantage of if parties were mean enough to do it, and in this way—thirty days trial would be at least twenty-six working days, so that if a person desired to do so and had or could get the wire promptly, he could at the very low average of 40 rods per day, put up 1,040 rods in the twenty-six days, or at the very least, all that he might want for himself, and then make some excuse to return it. Very few would stoop to as low a trick but there are all kinds of people in the world and there are those who would do it.

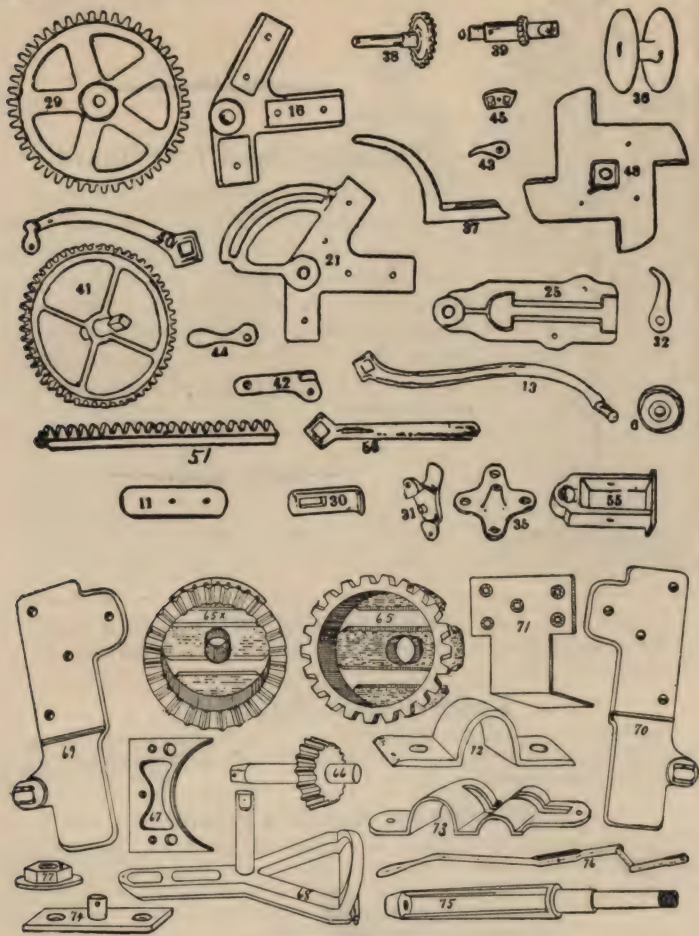
Farmers Clubbing Together.

There are many farmers who would like to have this fence but do not wish to put up any fence for others and do not feel like buying a machine for their own use. Now figuring it on the basis of what any of the good wire fences on the market are sold at in the roll and a farmer can save the cost of a machine on 100 rods of fence. In other words they can buy a machine and enough wire to make 100 rods of the best fence on earth for the same money that 100 rods of the so called good fences will cost them in the roll. It therefore pays any one to have a machine for their own use, but to make it still cheaper, two or more farmers can go in together and buy a machine with which they can do all their own fencing and also for others if they desire to do so, which greatly reduces the cost of machine as well as the fence for each. If two buy a machine together, 50 rods will save each man the interest in the machine, or if four go together and buy a machine, 25 rods will save each man's interest in the machine. This being the case where is there a farmer who can not afford to own or have an interest in a machine.



Above cut represents what we furnish with each Machine.

Parts of the Star Woven Wire Fence Machine.



PRICE LIST OF REPAIRS.

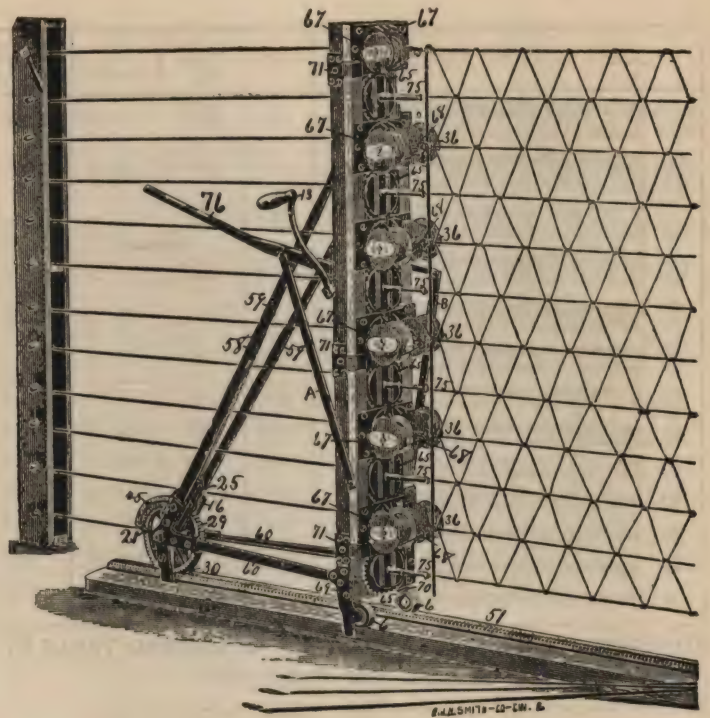
6 Small track wheel.....	\$ 15	51 Cog track, per piece.....	20
11 Small casting under track...	10	55 Top of stretcher.....	25
13 Large crank.....	25	56 Stretcher wrench.....	15
16 Track wheel guide.....	30	65 Small gear wheel.....	35
21 Track wheel guide and gauge	35	65x Large double gear wheel	50
25 Feed lever casting.....	25	66 Small bevel gear crank wheel	25
29 Large gear track wheel.....	65	67 Circle shifter casting.....	15
30 Small slotted track guide.....	10	68 Spool carrier.....	25
31 Guide overlapp'g track wheel	10	69 Right Machine wheel support	25
32 Dog for large track wheel...	05	70 Left Machine wheel support	25
35 Lower casting on wire reel	15	71 Shifter guide.....	10
36 Spool.....	15	72 Shifter lever bearing.....	10
37 Slotted casting for wire reel	10	73 Bevel crank wheel support	25
38 Small spooler gear wheel.....	25	74 Shifting lever pin fastening	10
39 Ratchet centers for stretcher	15	75 Center spindle or bearing	25
40 Spooler crank.....	25	76 Shifter lever.....	90
41 Gear wheel on spooler.....	30	77 Nut for spindle.....	03
42 Wire clamp on stretcher.....	08	Brass tension springs, each	03
43 Dog on stretcher.....	02	Spooler.....	1.50
44 Notched piece on wire clamp	04	Reel.....	1.25
45 Gauge for regulating mesh	03	Stretcher complete.....	2.50
46 Reel casting.....	20	8 in. Wire cutters and pliers	70

Always Order Repairs by Number.

Orders for repairs to receive prompt attention, must be accompanied by a remittance for the full amount.

Size of Mesh.

We do not give size of mesh below each Style shown and for the reason that almost any desired size can be made. The straight wires are $4\frac{1}{2}$ inches apart and in a perpendicular way, the mesh would therefore be $4\frac{1}{2}$ inches but can be made any length horizontally from 1 inch to 12 inches or even longer, thus enabling one to make the mesh or opening $1 \times 4\frac{1}{2}$ inches to $4\frac{1}{2} \times 12$ inches. The mesh is longest perpendicularly until it is made more than $4\frac{1}{2}$ inches long horizontally. When the straight wires are used the mesh is half diamond shape making the opening a great deal smaller than if full diamond shape.



Directions for Making Fence.

For Style No. 1 first stretch up the margin or selvage wires by setting machine close to starting post, running the wires through spindle No. 75 on the machine and fasten ends to post, running the other end out to any desired distance and tighten up with the stretcher. In long distances it is not necessary to stretch the wires tight as the weight of the wires will keep them tight at the machine. Next fasten spool or mesh wires to the posts and you are ready to commence weaving, which is done as follows:

With left hand take hold of lever No. 58, pulling it forward until it strikes mesh regulating gauge No. 45, then with left hand move shifter lever No. 76 up or down as may be necessary which transfers all the spools carrying the mesh wires from the twister wheels they are in to the ones above or below it, all those on the right side of machine going in one direction and all those on the left side of machine going in the opposite direction. You will notice that one of the tension springs on spools is painted red. The spools should never be shifted only when this red spring is on the side of machine next to you. Then with right hand make four turns of crank No. 13 which causes the spools carrying the mesh wires to revolve around spindles No. 75 and twists the mesh wires around each other and around the margin wires at top and bottom. These operations repeated is all that is necessary to make the fence, as the tension on the spools makes the mesh wires tight enough.

Styles Nos. 2, 3, 4, 6, 7, 45 and 46 are made in same way as No. 1 except the intermediate straight wires are put in or left out as shown in the cuts.

Style No. 5 is made in same way as No. 1 except regulating gauge No. 45 is set so as to make the mesh only half as long.

Styles No. 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 41, 42, 43, 44, 47, 48 and 49 are all made in the same way as No. 5 with the addition of the straight wires put in as shown in the cuts.

Styles Nos. 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 and 37, are, so far as machine is concerned, made in the same way as Nos. 1 and 5, but when two revolutions of the crank are made, making one twist in all the wires, the stay or picket as shown, is slipped between the wires next to the twists and then two more revolutions of the crank made which makes another twist in all the wires and fastens the picket or stay right in the twists, or in other words twists it tight, and so on in putting in other stays.

Style No. 50 is made by using as many straight wires as wanted and then weaving or fastening the pickets to them with the spool wires, the pickets being put in as in any flat fence machine.

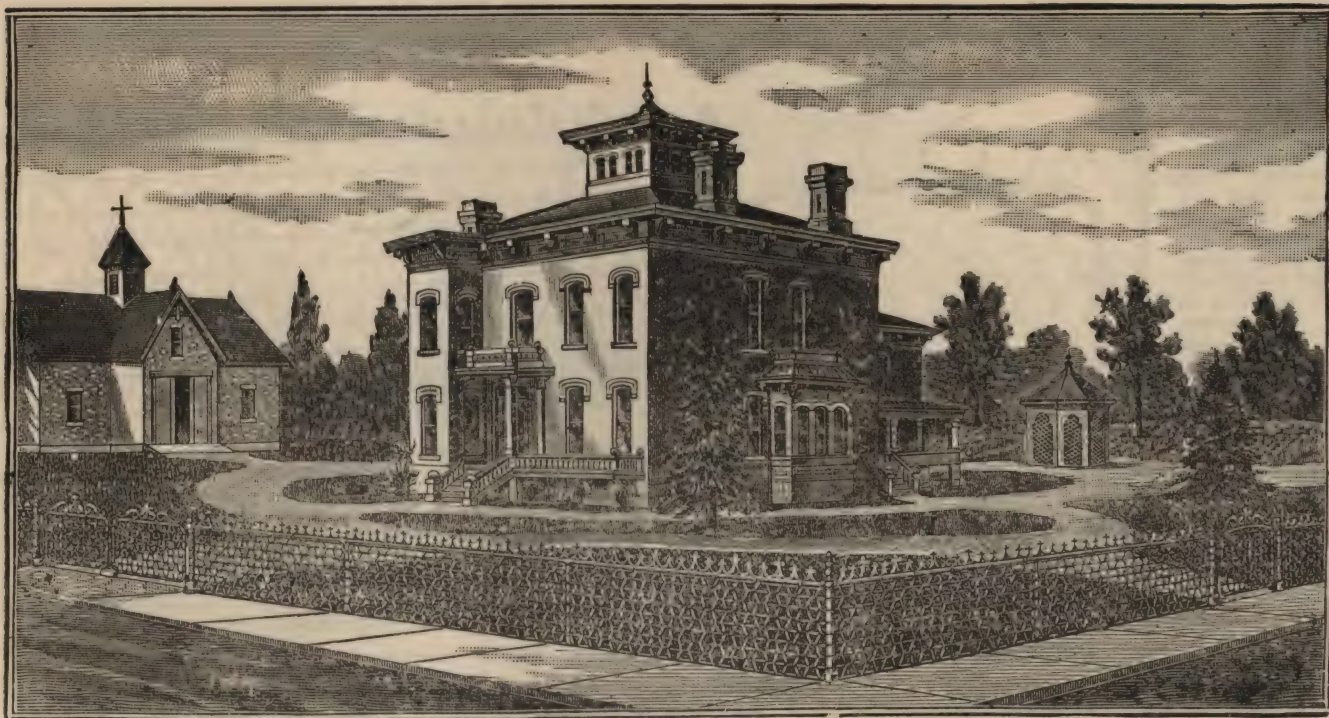
Style No. 51 is made by making a $30\frac{1}{2}$ or 41 inch fabric same as in style No. 3 and using a barb and cable wire above it.

NO CHANGE IN THE MACHINE.

The only change in the Machine in making all of the styles shown is in setting the regulating gauge to make a long or short mesh. Styles Nos. 1 and 5 are really the foundation of all the other styles as they are made from these two by the addition of straight wires or stays as shown in the different styles.

Making Fence in the Roll.

Any or all the Styles of fence shown in this Catalogue can be made with this Machine in a building or elsewhere, then taken down, rolled up and transported to another place and stretched up but it is not best to make it in that way as it cannot be put up in as good shape as when made right where used on account of the unevenness of the ground.



Residence View, Showing Kitselmans' Patent Ornamental Fence. (See Page 22.)

Setting up Machine.

By refering to cut on opposite page any one can see how to set up machine for operation. We ship it complete, and all one has to do is to put braces Nos. 59 and 60 and Lever No. 58 to their place, and connect the short bars A and B to the machine and it is ready for work.

In case the machine shifts harder one way than the other it is caused by the way the spools are put on the machine. If they are put on so the wire will pull off of the top of all of them on one side and off of the bottom of all of them on the opposite side, which is the most natural way to put them on, the hard pull on all comes at the same time and makes the mesh wires straighter as well as one side of the mesh shorter than the other. To remedy this, place the spools on the machine so the wires will come off the top or bottom of all of them. If the tension is not enough on the spools take the brass spring off and bend it more, which, when put on again will give more tension. The shorter the mesh the harder the machine shifts, so that if you want to make a very short mesh it is better to use No. 17 or 18 wire for the mesh wire. The smaller the mesh wire, the easier it works on a short mesh.

A Few of Our Late Testimonials.

Wilkison, Ind., May 16, '94.

Messrs. Kitselman Bros., Ridgeville, Ind.

Dear Sirs:-

In reply to your inquiry, the machine is all right and it does good work. The first that we built we put up 120 rods in less than four days. The farmers here pronounce it the coming fence. We have all the work we can do. We are building in town now. Send us a set of heavy tension springs. The others seem to be a little weak for No. 14 wire.

Yours Truly,

JOHN KESNER.

Markle, Ind., May 15, '94.

Messrs. Kitselman Bros., Ridgeville, Ind.

Gentlemen:-

We received the machine O. K. excepting the braces, they were both for the left side of machine, thus making us short of a guide and mesh gauge. Everyone here that has seen the machine pronounces it a "daisy." I sold a man 50 rods of fence this morning, that said not later than last week, that he would not have a wire fence on his place, as he never saw one yet that he considered but little better than a nuisance, until he saw the Kitselman Woven Wire Fence made with the Star Machine.

Yours Respectfully

S. V. HITE.

Riverton, Neb., May 18, '94.

Messrs. Kitselman Bros., Ridgeville, Ind.

Gentlemen:-

The Fence Machine I purchased of you has arrived O. K. Yesterday we stretched about twenty rods of wire, set up the machine and started in without any instructions as I have received none yet, but in a very short time we wove about five rods of it and I assure you that I am well pleased with the machine and the work it does, and do not hesitate in the least in recommending the machine to be first-class in every respect, and believe when we have had the machine long enough to get some of the fence built to show to others it will surely please them, as the cuts on paper does not flatter it in the least in my estimation. After further trial of the machine and after showing it to others I will write you again. While we have had no trouble so far with the machine I would like you to send me the printed instructions, as they will undoubtedly give me points that I would have to learn by using, if at all.

Very Respectfully Yours,

H. M. WARRINER.

Ore Banks, Va., May 19, '94.

Messrs. Kitselman Bros., Ridgeville, Ind.

Gentlemen:-

Your Star Machine was received less than three weeks ago. Have made about half a mile of fence with it since then. Am well pleased with the work done and the fence is the admiration of all who have seen it, a number of who already want me to do some fencing for them. It settles the fence question for me. Have had the machine too short a time to say more as yet. If it will wear as well as it works it will prove one of the best investments I ever made.

Yours Very Truly,

J. C. SINGER.

Catlin, Vermillion County, Ill., May 14, '94.

Messrs. Kitselman Bros., Ridgeville, Ind.

Dear Sirs:-

I have purchased one of your Star Woven Wire Fence Machines and it beats any piece of machinery that I ever saw work. It makes the fence exactly as represented and just as cheap as you say it does. The farmers all come in and take a look at it, and say: "It lays the Page fence in the shade." I live half a mile from the agent and since I have had my machine he walks around with his head down and his hands in his pockets up to his elbows. I tell you he looks bad. I can weave a rod in six minutes and do it easy. You can look for some big wire orders this Fall, for I have lots of fence to put up, and what I like about your machine, you can fence to suit the taste of any man without changing the machine. You gentlemen have come nearer filling your advertisement than any I ever saw. Any person wishing to purchase a machine of Kitselman Bros., need not be afraid for they are gentlemen to deal with, and their word is good. There were two men come eight miles to see the machine work, and I sold them fence as soon as they saw it.

Yours Ever,

BOOKER WHITE.

Dublin, Texas, June 2, '94.

Messrs. Kitselman Bros., Ridgeville, Ind.

Gentlemen:-

Having been in the fine stock business for several years and had quite a number of fine Holstein and Jersey cattle as well as horses and mules ruined on barbed wire, I feel like I am in a position to appreciate a benefit to stock raisers and farmers that I am now realizing and that all enterprising stock raisers and farmers will be quick to take advantage of, in securing the fence as made by your Star Woven Wire Fence Machine, to fence their pastures and farms. I recently bought one of your machines and am now at work pulling down barbed wire and putting up woven wire fence that is both cheap and safe from injury to stock as well as being both cattle and hog proof. We have a fence law in this country, and I am trying to raise Berkshire hogs and my great trouble has been to get a hog proof fence that I could afford. I bought quite a lot of the Keystone Woven Wire Fence but it was too expensive and it would not pay to buy and ship here. Now I am putting up a better fence for less than half the cost of the Keystone, and I wish I could help my fellowmen by letting all farmers and stock raisers know what a good thing it is. Heretofore unprincipled neighbors would tie my barbed wires anart to enable their calves to crawl through into my pasture. When I get this fence around my land they can only let their cattle in by cutting or tearing down my fence, and as that is a penitentiary offense I hardly think I will be bothered any more. I feel like the fence question is solved. You may refer all inquiries in this section to me for a recommendation of your Machine and Fence.

Respectfully,

DR. J. G. O'BRIEN.

Proprietor of Live Oak Holstien, Friesian and Jersey Cattle Farm.

A detailed illustration of a heavy-duty metal gate. The gate features a diamond-patterned mesh and is flanked by two vertical posts. The top of the gate is adorned with ornate scrollwork. The gate is shown in a closed position, secured by a latch mechanism on the right side.

Price List.

WIDTH.	PLAIN.	ORNAMENTAL.
2 1-2 feet.....	\$ 2.50	\$ 3.50
3 ".....	3.00	4.00
3 1-2 ".....	3.50	4.50
4 ".....	4.00	5.00
4 1-2 ".....	4.50	5.50
6 " Center Bar	5.50	6.50
7 " " "	6.25	7.50
8 " " "	7.00	8.00
10 " " "	9.00	10.00

DOUBLE LAWN CATES.

8 feet.....	\$ 7.50	\$ 9.50
10 "	9.00	11.00
With Vertical Bar in Each Section.		
12 "	10.50	12.50
14 "	12.00	14.00

Our fittings for Iron Posts are for $1\frac{1}{4}$ inch tubing, which is $1\frac{5}{8}$ inches outside diameter and will not fit any other sized post.

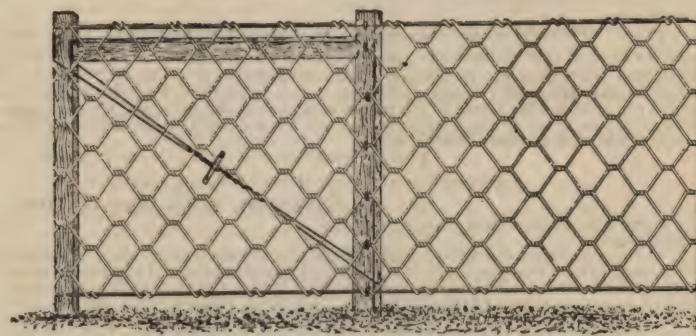
A black and white photograph of a large, ornate wrought-iron gate. The gate features a repeating diamond lattice pattern and is topped with a decorative row of fleur-de-lis finials. The gate is partially open, revealing a view of a city with a prominent hill and buildings in the background.

Price List of Ornamental Fence.

33 Inch Woven Wire Fabric , galvanized, with staples per foot.	\$.07
36 " " " " galvanized, with staples per foot.	.08
Gas pipe top rail with connections, painted and cut to l'gh, per ft.	.08
Malleable Ornaments , one foot long, painted, with bolts, each.	.09
Malleable Ornaments for Wood Rail08
Line Posts with top Casting, each.60
End and Gate Posts with attachments, including Ornaments.	2.00
Corner Posts complete with Ornaments	2.50
Brass Nickel Plated Ornaments on the Corner and Gate Posts, each, extra75

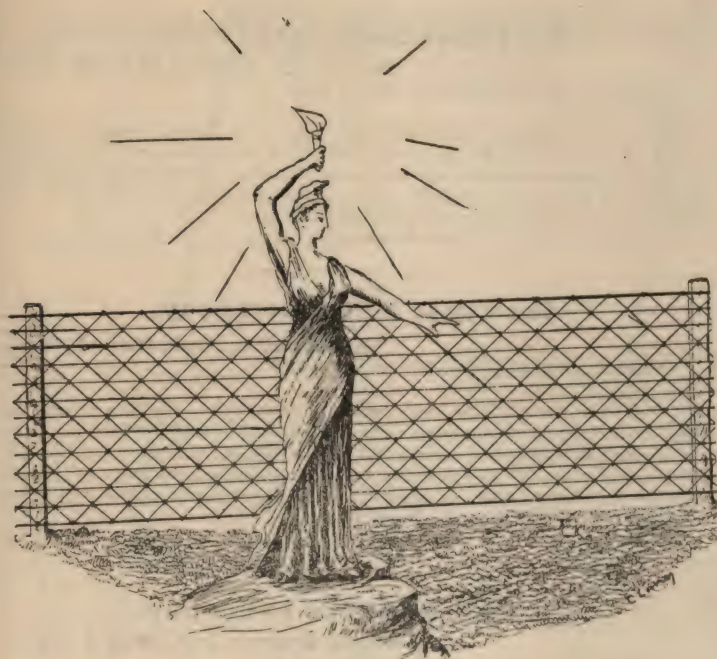
Posts should be set not over seven or eight feet apart.

Setting Posts.



Be sure to set your End and Gate Posts solid and brace them well. If this is done your fence will always stay in good shape. The intermediate posts should be properly set but to keep the fence in good shape the end and gate posts in particular must be set solidly.





Eureka--Goddess of Liberty enlightening the world on the merits of the Kitselman Woven Wire Fence; the only fence that meets every requirement as to cheapness, strength, durability, beauty and general utility.

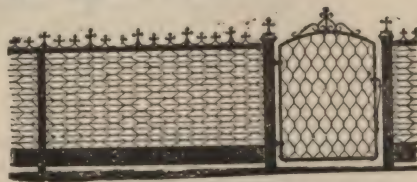
Cemetery Lot Fence.



This represents a family lot in cemetery enclosed with our Ornamental Style of all Iron Fencing.

Send for Catalogue of Ornamental Fencing.

Ornamental Lawn Fence.



The above cut shows the fencing made on our Machine, being used with base board and top rail for an ornamental yard or lawn fence. It can be made in twenty different styles for this purpose, surpassing in beauty, durability and general utility any fence on the market. It is also the cheapest yard or lawn fence made.



MALLEABLE PICKET.

Any one having one of our machines can make a very nice yard fence at a slight expense, by using a wood rail at top of the fence and using our ornamental malleable fence picket on top of the rail, as shown above. See price list on page 22.

Wholesale Dealers in Wire.

Buying wire in large quantities as we do, we are enabled to furnish it to our customers at the very lowest wholesale prices. Some hardware dealers will tell you that we can't furnish wire at the prices we quote. We are furnishing wire to quite a number of hardware and implement dealers, but we do not sell any cheaper to them than to our other customers, and for that reason some would like to make it appear that we cannot sell at prices quoted. Send for our latest quotations



The above is a fac-simile of the great Gold Medal awarded the inventor of the Star Woven Wire Fence Machine, on its merits alone, by the Parisian Inventors Academy, of Paris, France.

TESTIMONIALS.

Will Last Fifty Years.

Bradford, Ohio, May 24, '94.

Mr. J. H. Srofe, Ridgeville, Ind.

My Dear Sir:-

The Kitselman Fence you put up for me in the Spring of 1888. (six years ago) is in a good state of preservation. Will be a good fence for the next fifty years. With kind regards, I am,

Respectfully Yours, S. B. CHRISTAIN.

The Machine Works to Perfection.

Pimeto, Ind., May 21, '94.

Messrs. Kitselman Bros., Ridgeville, Ind.

Dear Sirs:-

You ask us how we like the machine. We like it very well. It does the work to perfection so far as we have tried it. We were belated in getting the machine and have not tried it extensively yet. The neighbors that have seen the fence all like it and say it is the coming fence.

Respectfully, J. FIDLER & SON,

Well Satisfied with the Machine.

Veedsburg, Ind., May 15, '94.

Messrs. Kitselman Bros., Ridgeville, Ind.

Dear Sirs:-

Yours of the 16th, received and noted. I am very well satisfied with the machine. Have been so busy with other things that I have only built a few rods of fence, but enough to know that it will do all you claim for it. I would like to have the agency for this county if no one else has it. Please send wire price list and oblige.

Yours Truly, DADE CADE.

Everybody Likes Them.

Macon, Ga., May 15, '94.

Messrs. Kitselman Bros., Ridgeville, Ind.

Dear Sirs:-

We received your letter of the 11th, asking what we thought of machine and fence. In reply will say that everyone likes both, and think it is the best wire fence on the market. If we had more time to devote to the machine and fence we could sell the machines with out any trouble and have any quantity of the fencing to build. Trusting you will rush our order, we remain,

Yours Truly, J. J. HUBBARD & CO.

Plenty of Fence to Build.

Conover, Miami Co. Ohio, May 12, '94.

Messrs. Kitselman Bros., Ridgeville, Ind.

Dear Sirs:-

I received my machine ordered from you all in good shape. I have not built very much fence yet, but have several jobs to build as soon as I can get the wire. I find what fence I have already put up is all you claim it is. Everyone that I have said anything about fence to, thinks it is a good fence and would like to see the machine work. I received the circulars you sent me. Was glad to get them. Hoping you will send the others soon, I remain,

Yours Truly, W. A. WOLCOTT.

Built Seven Years, and no Sag.

Bradford, Ohio, May 24, '94.

Mr. J. H. Srofe, Ridgeville, Ind.

Dear Sir:-

Replying to your inquiry in regard to how the Kitselman Woven Wire Fence is standing that was built on our farm about seven years ago. I can say conscientiously that it is almost as good to-day as when put up. A few staples out, otherwise it is good as ever. It does not sag between the posts and the wire does not rust. Stock cannot get over it, through it or under it, and if the posts would not rot I believe it would last a lifetime or longer. I can cheerfully recommend the Kitselman Fence to all wanting a good fence and the price of machine and fence surely suits the hard times.

Yours Really, S. E. WISE.

Have 1,200 Rods of Fence to Build.

Unionopolis, Ohio, May 23, '94.

Messrs. Kitselman Bros., Ridgeville, Ind.

Dear Sirs:-

The machine received in good order. The fence is grand and I am pleased with the outfit. Other fence agents have no business around here. I have 1,200 rods engaged to build. Respectfully,

HUGH GROSS.

Now Have More than we can do.

Plymouth, Mich., May 15, '94.

Messrs. Kitselman Bros., Ridgeville, Ind.

Dear Sirs:-

The machine and fence give the best of satisfaction. We have built about 500 rods of fence with our machine which gives the best of satisfaction. We now have more than we can do.

Truly Yours,

C. B. TRUESDELL.

Pronounce it the Best as well as the Cheapest.

Galveston, Ind., May 14, '94.

Messrs. Kitselman Bros., Ridgeville, Ind.

Gentlemen:-

I have put up 40 rods of fence with my machine and it works all right. All who have examined the fence pronounce it the best and cheapest fence that has ever been put up in this part of the country. I have considerable fence engaged and will have all the work I can do.

Yours Truly,

T. B. SPEECE.

It does the Work all Right.

Reeds, Md., May 22, '94.

Messrs. Kitselman Bros., Ridgeville, Ind.

Dear Sirs:-

Yours received. Have been away all week making fence or would have answered sooner. I like the machine very much. It does the work all right as far as I went. Had but very little trouble, and when I was building fence everyone that saw my work said, it beat all the wire fences they ever say. I am busy and have lots of fence to build.

Yours Truly,

JONAS U. ESHLEMAN.

The Machine is a Little Wonder.

Sedalia, Clinton County, Ind., May 29, '94.

Messrs. Kitselman Bros., Ridgeville, Ind.

Dear Sirs:-

I will have to say a word in favor of the Star Machine and fence. So far as we have tried the machine and fence it gives good satisfaction. All who see the fence speak in favor of it, and think the machine is a little wonder. We have not put up much fence yet, this being a very busy time among farmers. Have several hundred rods to put up after harvest; more than we will be able to do.

Yours Truly,

J. W. HARMON.

The Wonder of the World.

Spring Church, Pa., May 14, '94.

Messrs. Kitselman Bros., Ridgeville, Ind.

Dear Sirs:-

I have built about 100 rods of fence with my [machine]. It works first rate and makes a good fence and a cheap one. Every person that sees it thinks it the wonder of the world. I have built five or six different kinds of fence. I am going to build a few rods for one of my neighbors to-day. Please ship my wire as soon as possible as I am needing it very bad.

Yours Truly,

H. E. SHOEMAKER.

The Kitselman Fence and no Other.

Reistville, Pa., May 13, '94.

Messrs. Kitselman Bros., Ridgeville, Ind.

Dear Sirs:-

In reply to yours of the 11th will say that the machine I purchased from you will do its work most satisfactorily on styles mentioned in catalogue, and the fence I made is a curiosity to all people who never saw or had any other but the cruel barb wire fence and different others that they hate like a thistle, and many of these men will have their farms inclosed with the Kitselman Fence in the future, and no other. I therefore expect to do a flourishing business. I am a farmer and before arrival of the directions for making fence, I set up the machine and made six rods of fence the first hour and a half I had it.

Yours Truly,

MOSES BAMBERGER.

Must Have Some of the Fence.

Britton, Oklahoma, May 18, '94.

Messrs. Kitselman Bros., Ridgeville, Ind.

Gentlemen:-

The machine received all right. We set it up and worked all right except the crank pin on No. 13, which I suggest be made stronger. The machine will work as represented and gives entire satisfaction. Those that have seen the machine and the fence it produces say: "It surely is a wonderful invention, and I must have some of the fence or one of the machines."

Yours Respectfully,

G. V. HARIMAN.

The Fence Suits Everybody.

Maple Valley, Ind., May 15, '94.

Messrs. Kitselman Bros., Ridgeville, Ind.

Dear Sirs:-

The Star Machine bought of you come all right. We have woven some fence and it worked like a charm. It is a grand thing to make fence with. To see the machine and see it at work is to fall in love with it. The fence suits everyone that has seen it. The machine fills a long felt want among the farmers. I would not do without the machine for ten times the cost of it; it is simply "out to sight." Wishing you great success, I remain,

Yours Truly, S. T. MASTON & OVERMAN.

It is the Best Fence I ever Saw.

Willow Branch, Ind., May 31, '94.

Messrs. Kitselman Bros., Ridgeville, Ind.

Gentlemen:-

Accept thanks for circulars sent me some time ago. Machine is working well, making good tight twists on upward or downward shift, long or short mesh—in fact, I have been working slow learning the machine and learning to make a good fence, so that I know what I say when I state that on all of the styles which I have tried to make, the machine makes a perfect fence when properly operated. No trouble to get fence to make. W. M. Thomas, County Commissioner, said of the fence I was making for him, "It is the best fence I ever saw. It speaks for itself."

Yours Truly,

M. R. HIGGINS

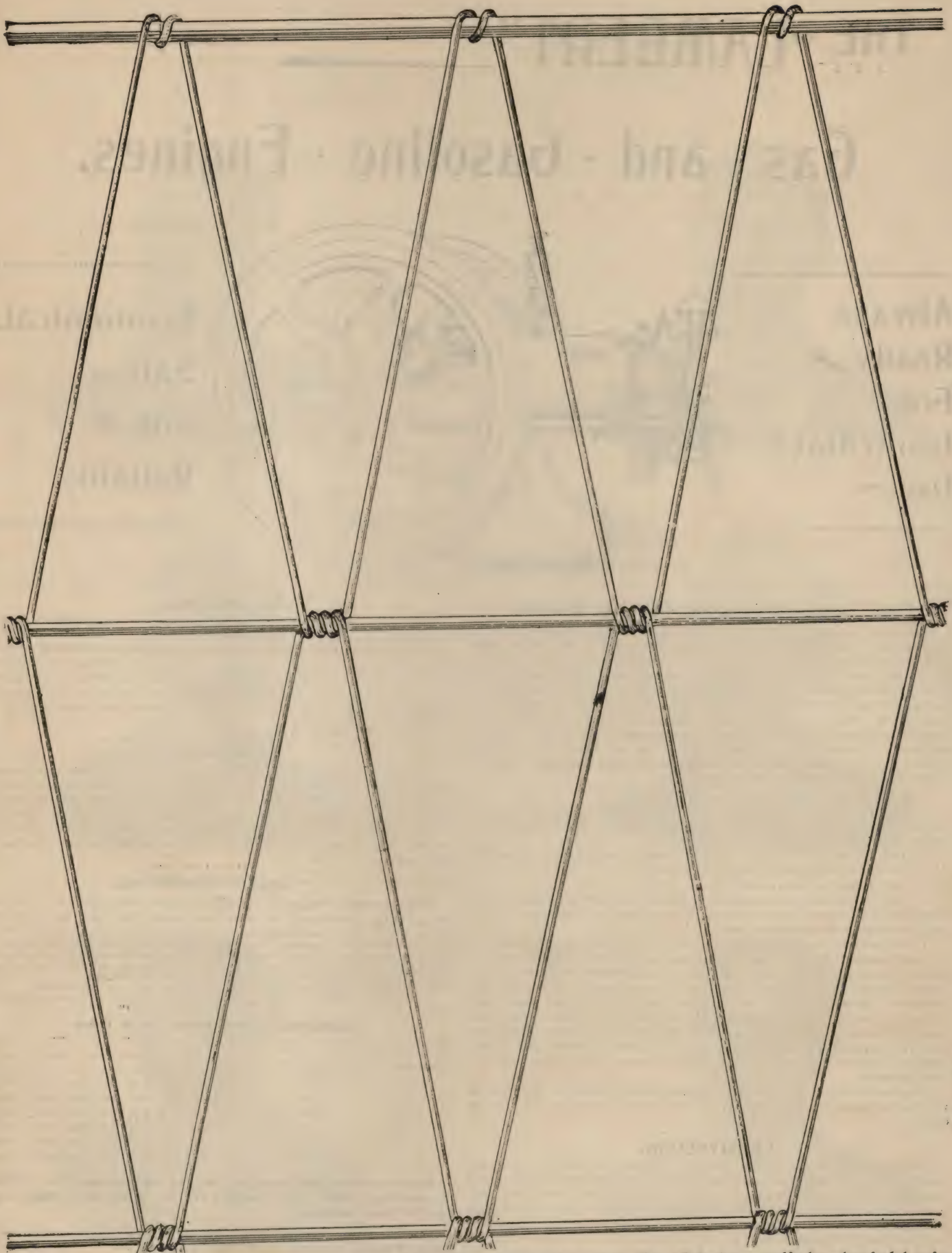
My Experience with Barb Wire Fence.



No. 1.--I was worse stuck on this fence than any other I ever built, and felt, when I had finished, that the only difference between me and sausage was the seasoning. "Anyhow it's cheap" I thought; but



No. 2.--This panel cost me (my own gore not counted) \$150.53. Which shall I shoot; the horse the hog or myself?

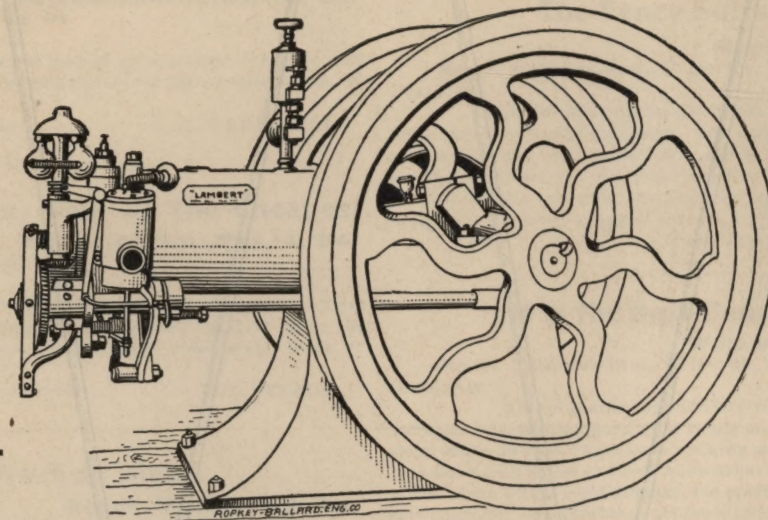


The above cut shows the exact size of the No. 9 margin wire, No. 12 intermediate straight wires, and of the No. 16 mesh wires, as well as the distance the straight wires are apart, also the size of the opening in a 2x4 1-2 inch mesh.

THE "LAMBERT"

Gas and Gasoline Engines.

Always
Ready
For
Immediate
Use.



Economical,
Safe...
and
Reliable.

The "Lambert" Gas and Gasoline Engine.

For a score of years there has been a growing demand for a simple motor of some description, more economical, safe, clean and occupy less floor space, than the steam engine and boiler, with its coal and ash heaps, water service, &c. &c. The gas and gasoline engines of to-day are more than satisfying the minds of the people of this enlightened age in this direction. "Oh yes! They are all right for light power but not desirable where heavy power is required." The day has come however where it is an acknowledged fact that the gas or gasoline engines are cheapest and safest light and heavy power for all purposes now in use. They are used to-day for running electric light plants, flouring mills, factories, elevators, cotton gins, pumps, plumbers plants, printing presses, spice mills, etc. They are more desirable than steam engines because:

1. They can be operated at much less expense.
 2. They require no special building as does steam power, but may be set in the same room in which the power is used, requiring no more space than an ordinary machine and no more objectionable.
 3. They are absolutely safe, do danger of steam running up, and explosions.
 4. Lower rate of insurance than steam engines.
 5. No dirt, dust or ashes to remove.
 6. Start in one moment, no engineer required, figuratively speaking steam always up to the highest limit, full power in an instant and if shut down in the next instant the power is entirely dead.
 7. The moment the engine stops the consumption of gas or gasoline stops.
- Our "Lambert" Engine is undoubtedly the most economical means of deriving power from the heat energy of the production of petroleum (preferable 74 test gasoline) direct. The gasoline is used in its natural state in the "Lambert" Engine and is stored in a galvanized iron tank which may be placed some where without or within the building and direct connection be made to the engine therefrom by the use of a small iron pipe, the gasoline being at all times closely confined until it passes into the cylinder where it is exploded by means of an electric spark and, after having spent its power passes off through the escape pipe perfectly harmless.

The consumption of gas or gasoline is under perfect control of the governor which allows gasoline to enter the cylinder only as called for by the load on the engine.

Construction.

The "Lambert" Engine is very simple in construction and very compact, built in a plain serviceable and desirable manner. All valves are direct acting "poppets" requiring no cleaning and oiling; they lift squarely from their seats and are not liable to wear out. The crank shafts are made of steel and finished to gauge. All bearings are exceptionally large and strong. The cylinder bed and main bearings are constructed on one strong symmetrical casting to which the entire valve gear is attached, thus insuring perfection and durability. The charge of gas or gasoline is ignited by a small electric battery which is furnished free with each engine. No extra charge for gasoline tank.

Advantages.

Highest class of workmanship. Simple in construction. Purely scientific and works perfectly; noiseless; may be started instantly; costs nothing when not running. No time wasted in raising steam; no boiler, hence no flues to repair, no side valves to consume power. No flame tubes as the "Lambert" is ignited by electricity. No danger of explosions hence no boiler inspection and insurance. May be run anywhere in basement on first, or second, or third, or any floor. Guaranteed to work perfectly or no pay. Every engine fully tested before leaving the factory.

Guarantee.

The cost of operating the "Lambert" Gasoline Engine is less than any other Gasoline Engine on the market. On the basis of 74 test gasoline being worth 7 cents per gallon we will guarantee our engine to cost less than $\frac{3}{4}$ cents per hour per indicated horse power. The cost of running the "Lambert" Gas Engine is very much less than gasoline when natural gas can be purchased at 23 cents per 1000 feet. The water used in our two H. P. Gasoline and Gas Engine is from 2 to 3 gallons per day.

Cost of Operation.

We guarantee our engine to not use to exceed one gallon of 74 test stove gasoline in ten hours to each indicated horse power when doing full work. When less power is required a proportionally less amount of gasoline is used. We also guarantee that the "Lambert" Engine is made of the best material procurable for the purpose and by first-class mechanics, and we hereby agree to replace free of charge any parts that may turn out defective either in material or workmanship. In short every engine is warranted to give satisfaction.

All "Lambert" Engines over 2 H. P. are fitted with two fly wheels. In ordering engines always state whether they are to be run with gas or gasoline.

Dimensions and Price f. o. b. Cars.

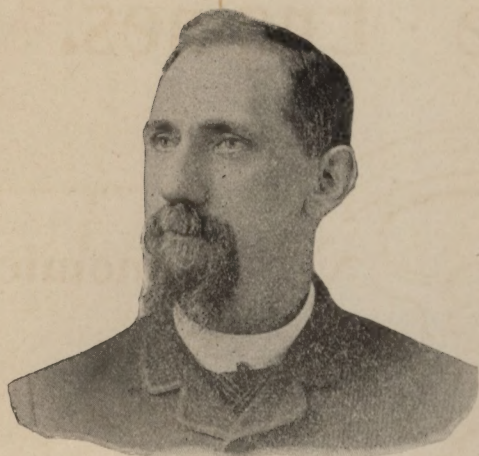
ACTUAL HORSE POWER	PER MINUTE.	DRIVING PULLEY.		FLOOR SPACE.		WEIGHT.	PRICE.
		HORIZONTAL ENGINES.	FACE.				
2 H. P.	300		8 in. 5 in.	3 ft 10 in	1 ft 10 in	550	\$250.00
3 H. P.	300		10 in. 5 in.	4 ft 0 in	2 ft 0 in	700	300 00
4 H. P.	300		12 in. 6 in.	4 ft 2 in	2 ft 4 in	900	400.00
6 H. P.	260		14 in. 8 in.	4 ft 6 in	2 ft 10 in	1350	500.00
8 H. P.	250		16 in. 10 in.	5 ft 0 in	3 ft 2 in	1750	600.00
10 H. P.	235		18 in. 12 in.	5 ft 6 in	3 ft 4 in	2800	700.00

We are constantly adding larger sizes to our list. If there is nothing here that suits you, write us and may be we can fill your wants.

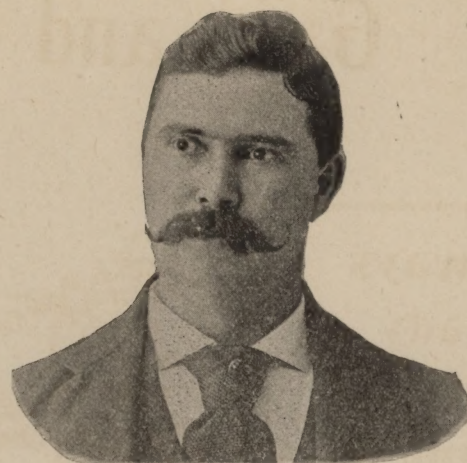
For further particulars and best discount, state what Horse Power wanted, and Address,

KITSELMAN BROTHERS,
Ridgeville, Indiana.

GENERAL AGENTS.



JACOB FORLOW.



J. H. SROFE.



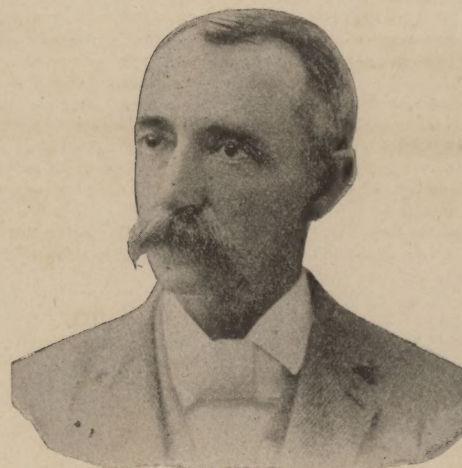
J. N. LUCAS.



W. H. CAMPBELL.



P. C. JACOBS.



J. M. JACOBS.

Digitized by:



ASSOCIATION
FOR
PRESERVATION
TECHNOLOGY
INTERNATIONAL
www.apti.org

BUILDING
TECHNOLOGY
HERITAGE
LIBRARY

<https://archive.org/details/buildingtechnologyheritagelibrary>

From the collection of:
Gerron S. Hite
West Texas Collection, Angelo State University,
San Angelo, TX



Factory and Office prior to May 1st, 1894.